Product Usage Safety Guidelines

※Before use, carefully read and follow the safety precautions below.

For safe use, this documentation and Nitta's products utilize various symbols and signal words. After reviewing the "Severity of Risk" section below to understand the meanings of those symbols and signal words, read the safety precautions and follow the instructions listed.
■Improper use (ignoring the symbols and signal words) may result in the following risks:

Symbol and Signal Word	Severity of Risk
⚠ DANGER	Indicates situation that may result in imminent risk of death or serious injury if ignored or incorrectly handled.
⚠ WARNING	Indicates situation that may lead to high risk of death or serious injury if ignored or incorrectly handled.
⚠ CAUTION	Indicates situation that may lead to injury and physical damage if ignored or incorrectly handled.

Signs	Meaning of Signs
Prohibited Action	Indicates actions that must never be taken under any circumstances when handling products.
Mandatory Action	Indicates actions that must always be taken when handling products, without exception.

1. Function and Performance

⚠ DANGER (Prohibited Action)

- Do not use belts as hoisting or towing equipment.

⚠ WARNING

- Do not use belts beyond the acceptable ranges specified in this catalogue.
- In situations where static electricity generating in the transmission or conveying device could risk causing a fire or causing the control device to malfunction, use an antistatic belt. Install a neutralization apparatus in the device.
- If belt encounters friction against frame or table, temperature range may be exceeded due to frictional heat, potentially causing premature belt wear.
- If water, oil, chemicals, dust, etc. adhere to belts or pulley, it may decrease transmission efficiency or cause premature belt wear.
- Do not use belts for conveying unpackaged food.

2. Storage and Shipping

⚠ WARNING

- Keep belts away from fire.
- Belts are combustible; do not store or use them near fire or a high-temperature heat source.
- When storing heavy belts, fix them in place using appropriate jigs or stoppers to prevent falling or rolling.

⚠ CAUTION

- When storing and shipping belts, do not distort them excessively. Bending deformation may occur, potentially causing belts to become damaged or break prematurely.
- When storing belts, keep them under a textile covering such as a sheet and put them in a well-ventilated, low-humidity place free from direct sunlight.
- Store belts in their original packaging until needed.

3. Installation and Daily Use

⚠ DANGER (Mandatory Action)

- Be sure to put a safety cover over the rotating part of the machine including the belt; hair, gloves or clothes may get caught in the belt pulley.
- Before maintenance, inspection or replacement, be sure to turn off the switch and confirm

⚠ WARNING

- When cleaning belts, do not use chemicals harmful to humans.

⚠ CAUTION

- After replacing a belt with a new one, perform a test operation to adjust tension, elongation rate and operation.
- Do not attach belts forcibly; use a motor slide, a tension pulley or a special pulling device.
- If abnormal noise, snaking, deviation, slipping, etc. occur, stop the belt immediately for inspection.

4. Installation, Endless Processing, etc.

⚠ WARNING

- When using solvent or adhesive, fully ventilate the workspace and keep away from fire.
- Do not leave solvent or adhesive on site. Return them to storage immediately after finishing use.

⚠ CAUTION

- Perform endless joining of belts by using the materials, methods and procedures specified by Nitta.

5. Handling Used Belts

⚠ WARNING

- Do not leave belts near fire.

⚠ CAUTION

- Do not burn used belts; harmful gases may be generated.
- Lawfully dispose of used belts as industrial waste.

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The specification is subject to change for improvement without notice.

B-CA-13E 2506500U

Invention & Innovation
NITTA

Corrugated Cardboard and Paperboard Conveyance

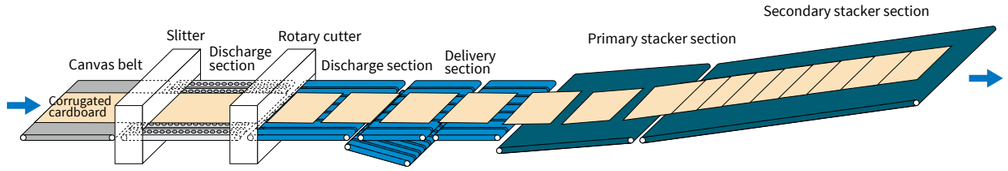
Paper Manufacturing Belt

NITTA CORPORATION

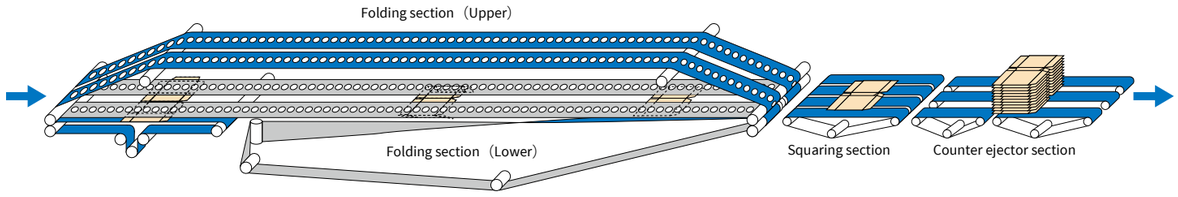
NITTA Belts are perfect for conveying corrugated cardboard and paperboard

Since our establishment in 1885, we have met the expectations of our customers using advanced technology and reliable quality, centering on our power transmission belts over the past 130 years.
And in the field of corrugated cardboard and paperboard conveyance, we provide durable sophisticated belts with high performance and high-speed conveyance capability, which connect to greater processing accuracy for corrugated cardboard and paperboard through faster transmission power and more reliable transference.

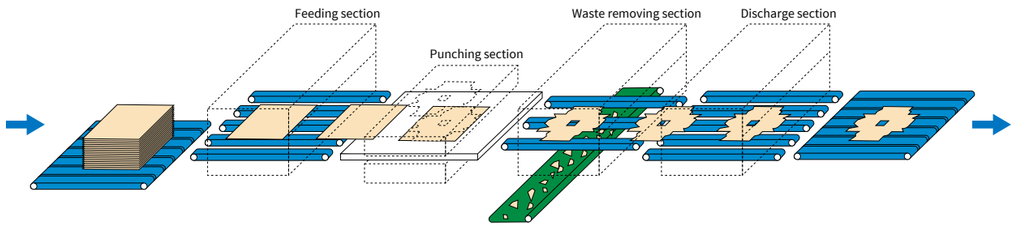
Corrugator line



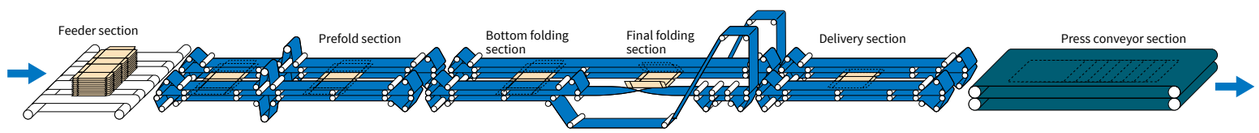
Flexo folder gluer line



Die cutter



Folder gluer



Related pages		P3, 4	P5, 6	P9	P7, 8	P7, 8
Location using the belt		RT series	XH series	Feeder belt	NLG	Other
Corrugator line (corrugated cardboard lamination process)	Slitter discharge section	○※1				
	Cutter (cutoff) discharge section	○※1				
	Delivery section	○			○	
	Defect removal conveyor section	○			○	
	Stacker section				○	
	Material handling section				○	
Flexo folder gluer line (corrugated carton manufacturing process)	Sheet feeder (auto sheet feeder) section	○				
	Paper feed (feeder section)	○				
	Folding section – Upper	○				
	Folding section – Lower feeding	○	○			
	Folding section – Lower folding	○				
	Squaring section	○				
	Counter ejector section	○			○	
	Strapping section	○				
	Material handling section				○	
Automatic platen cutting and creasing machine, hot foil stamping machine	Sheet feeder (auto sheet feeder) section	○			○	○
	Feeding section (feed table)	○		○	○	○
	Punching section	○			○	○
	Waste removing section	○			○	○
	Paper ejection section	○			○	○
Folder gluer (corrugated cardboard and paperboard carton manufacturing process) **Automatic carton manufacturing machine** (one-touch gluer)	Paper feed (feeder section)			○		
	Prefold section		○			
	Bottom folding section		○			
	Final folding section		○			
	Delivery section		○			
	Press conveyor section				○	
Printer slotter, laminating machine, laminator, window patching machine	Paper feed (feeder section)	○	○	○		○
	Main unit section	○	○			○
	Paper ejection section	○	○		○	○
Others	Offset printer					○
	Paper sheeter					○

※1. CBX-7S is included

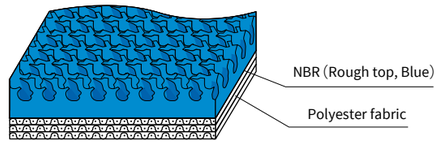
For general use on paper manufacturing machinery – RT Series rough top belts

Long-life synthetic rubber Rough Top with a stable friction coefficient and high abrasion resistance.
Various kinds of products are available depending on the purpose, such as cost-effective Rough Top made with rubber and PVC.

Nitta PolyBelt™ RT-300

- Surface form with a high friction coefficient.
- Excellent cushioning property and abrasion resistance.
- Equipped with high anti-tear strength even after perforation.


Perforated belt example



Belt type	Product category	Thickness (mm)	Cover material							Tension member		Minimum pulley diameter (mm)		Splice type	Standard elongation (%)	Tension at standard elongation (N/mm) ※3	Temperature range (°C)	Maximum roll width (mm)	Maximum endless width (mm)	Features
			Top surface				Bottom surface					Forward	Reverse							
			Material	μ※1	Shape	Color	μ※2	Shape	Color											
RT-22E70-2	PolySprint	Approx.7.0	NBR	Approx.1.0	Rough top	Blue	0.2～0.3	Fabric	White	PE		100	100	S/F/L	0.5	10	- 20 ～ +80	480	300	An all-around belt which can speed up the manufacturing process for corrugated cardboard, demonstrating high flexibility and bendability with a stable coefficient of friction. Suitable for sections of machinery, from corrugator to carton manufacturing machines.
RT-300	PolyBelt	Approx.7.0	NBR	Approx.1.0	Rough top	Blue	0.2～0.3	Fabric	White	PE		100	100	S/L	0.5	3	- 20 ～ +80	600	300	An all-around belt with a stable coefficient of friction and high abrasion resistance, suitable for sections of machinery from corrugator to carton manufacturing machines.
RT-500	PolyBelt	Approx.7.0	NBR	Approx.1.0	Rough top	Blue	0.5～0.6	Rough pattern	Black	PA		90	90	S/ST	1	3.8	- 20 ～ +80	480	300	An all-around belt with a stable coefficient of friction and high abrasion resistance, suitable for folding with moderate friction also on the bottom side.
NRT-300	PolyBelt	Approx.6.5	NBR	Approx.1.0	Rough top	Blue	0.2～0.3	Fabric	White	PE		100	100	S/L	0.5	3	- 20 ～ +80	480	300	Perfect for conveyors of squaring sections and paper carton making machinery with a stable coefficient of friction and abrasion resistance.
NRT-0	PolyBelt	Approx.5.5	NBR	Approx.1.0	Rough top	Blue	0.2～0.3	Fabric	White	PE		100	100	L/S	0.5	1.5	- 20 ～ +80	480	300	Perfect for low-speed multi-row conveyors of squaring sections and paper carton making machinery with high abrasion resistance.
NRT-100	PolyBelt	Approx.4.5	NBR	Approx.1.0	Rough top	Blue	0.2～0.3	Fabric	White	PE		50	50	S/L	0.5	3	- 20 ～ +80	480	300	
NRT-500	PolyBelt	Approx.6.0	NBR	Approx.1.0	Rough top	Blue	0.5～0.6	Rough pattern	Black	PA		90	90	S	1	3.8	- 20 ～ +80	480	300	A dedicated belt for folding (lower folding) with high abrasion resistance.
CBE-20	PolyBelt	Approx.7.0	NBR	Approx.1.0	Rough top	Blue	0.2～0.3	Fabric	Black	PE		100	100	L	0.5	3	- 20 ～ +80	460	460	A dedicated belt for counter ejector sections effective in preventing scratches and color transfer after printing.
GRT-24AK	NLG	7.7	NR	Approx.1.0	Rough top	Brown	0.2～0.3	Fabric	Brown	PA fabric		80	80	S/L	0.5	1.5	- 20 ～ +80	1800	1800	Equipped with natural rubber Rough Top suitable for grip-emphasized sections.
VRT-20A (2 HRF 272 RT 55°)	NLG	6	PVC	Approx.1.0	Rough top	Green	0.2～0.3	Fabric	White	PE		50/100	60/100	F/ST	0.5	3	- 5～ +70	2000	2000	Cost-effective PVC Rough Top.

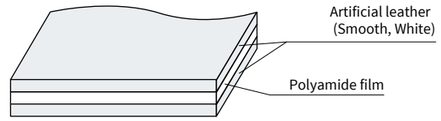
For specific applications on paper manufacturing machinery

We provide our belts such as PolyBelt, PolySprint, NLG and SEB for use in general industrial machinery in printing, textile, paper, plywood, steel and distribution industries. Choose the optimum belts for your specific application from among our various products with various combinations of belt surface materials and core materials.

Nitta PolyBelt™ CBX-7S

- Prevents scratches to items being conveyed.
- Exhibits high abrasion resistance, heat resistance and planarity.
- Maintains a stable coefficient of friction from initial installation until replacement.


Perforated belt example



Major applications	Belt type	Product category	Thickness (mm)	Cover material							Tension member		Minimum pulley diameter (mm)		Splice type	Standard elongation (%)	Tension at standard elongation (N/mm) ※3	Temperature range (°C)	Maximum roll width (mm)	Maximum endless width (mm)	Features
				Top surface				Bottom surface					Forward	Reverse							
				Material	μ※1	Shape	Color	μ※2	Shape	Color											
Dedicated belts for feeder and ejector sections of slitters and cutoffs.	CBX-7S	PolyBelt	4.2	Artificial leather	0.3～0.4	Smooth	White	0.2～0.3	Smooth	White	PA		75	75	S	1	7.5	- 20 ～ +80	300	300	Artificial leather is used as surface material. Excellent abrasion resistance. Exhibits high anti-tear strength, longitudinal crack resistance and cut resistance, even when belt has been perforated. Excellent heat resistance. Maintains a stable coefficient of friction and planarity.
Lower feeding belts for flexo folder gluers.	H-750	PolyBelt	3.75	NBR	0.6～0.7	Rough pattern	Blue	0.5～0.6	Rough pattern	Black	PA		60	60	S	1	5.6	- 20 ～ +80	325	300	Excellent bending, and durable flange. The surface rubber is abrasion resistant with exceptional long life.
	XH-750-4	PolyBelt	4.25	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Black	PA		55	55	S	1	5.6	- 20 ～ +80	320	300	
	XHTG-15E34-2	PolySprint	3.4	NBR	0.8～0.9	Rough pattern	Blue	0.2～0.3	Fabric	White	PE		50	50	F	0.5	7	- 5 ～ +60	480	100	

NBR: Nitrile rubber NR: Natural rubber PVC: Vinyl chloride PE: Polyester fabric PA: Polyamide film PA fabric: Polyamide fabric

※ 1. Coefficient of Friction (for corrugated cardboard) ※ 2. Coefficient of Friction (for steel) ※ 3. Tension values are based on data after relaxation.

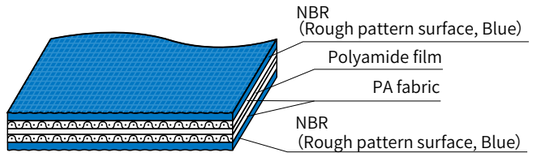
S: Skived splice F: Finger splice L: Lacing splice ST: Step splice

Nitta PolyBelt™ and *PolySprint*™ belts for folder gluers –XH Series

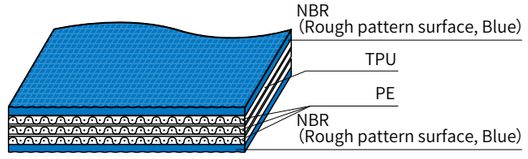
Ideal for the paperboard or corrugated carton manufacturing process from the prefold section to the folding section and delivery section.
Highly precise carton manufacturing is achieved with a moderate and stable grip, providing durability against multiple bends, twists, side grip conveyor transference and the guide rollers.

Belt type	Product category	Thickness (mm)	Cover material							Tension member		Minimum pulley diameter (mm)	Standard elongation (%)	Tension at standard elongation (N/mm) ※3	Splice type	Temperature range (°C)	Maximum roll width (mm)	Maximum endless width (mm)	Features
			Top surface				Bottom surface												
			Material	μ※1	Shape	Color	μ※2	Shape	Color										
XH-500-3-F	PolyBelt	3	NBR (FDA)	0.8～0.9	Rough pattern	Light Gray	0.7～0.8	Rough pattern	Light gray	PA		30	1	3.8	S	- 20 ～ +80	320	300	Nitta now has available **PolyBelt**™XH series in FDA compliant ※4 material for food and beverage industry. Our FDA XH rubber has very similar performance to our standard blue XH rubber.
XH-500-4-F	PolyBelt	4	NBR (FDA)	0.8～0.9	Rough pattern	Light Gray	0.7～0.8	Rough pattern	Light gray	PA		40	1	3.8	S	- 20 ～ +80	320	300	
XH-500-3	PolyBelt	3	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		30	1	3.8	S	- 20 ～ +80	320	300	The **PolyBelt** ™XH Series belts use polyamide cores of high strength. They set the standard and come in many types with high flange resistance. The series is joined using a two - component adhesive system.
XH-500-3.5	PolyBelt	3.5	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		35	1	3.8	S	- 20 ～ +80	320	300	
XH-500-4	PolyBelt	4	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		40	1	3.8	S	- 20 ～ +80	320	300	
XH-500-5	PolyBelt	5	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		50	1	3.8	S	- 20 ～ +80	320	300	
XH-500-6	PolyBelt	6	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		60	1	3.8	S	- 20 ～ +80	320	300	
XH-750-3	PolyBelt	3.25	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		55	1	5.6	S	- 20 ～ +80	320	300	
XH-750-4	PolyBelt	4.25	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		55	1	5.6	S	- 20 ～ +80	320	300	
XH-750-6	PolyBelt	6.25	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PA		70	1	5.6	S	- 20 ～ +80	320	300	
XH-8E30	PolySprint	3	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PE		40	1	8	F	- 20 ～ +60	500	100	The ***PolySprint*** ™ XH Series is a type which can be used for simplified endless joining. It has excellent dimensional stability and allows for faster folder gluer operation.
XH-8E40	PolySprint	4	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PE		50	1	8	F	- 20 ～ +60	500	100	
XH-8E55	PolySprint	5.5	NBR	0.8～0.9	Rough pattern	Blue	0.7～0.8	Rough pattern	Blue	PE		80	1	8	F	- 20 ～ +60	500	100	

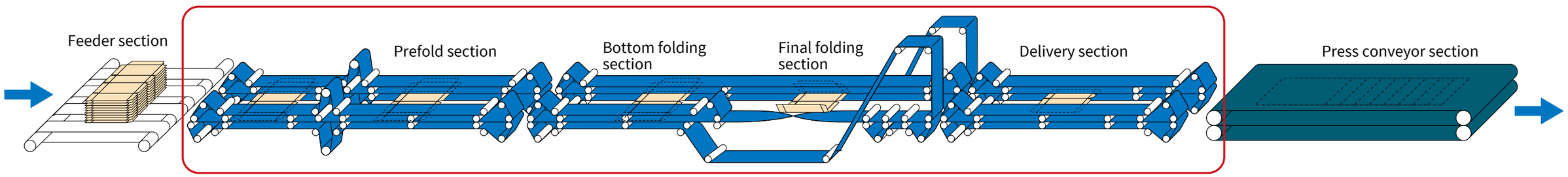
Nitta PolyBelt™ XH Series



***PolySprint*™ XH Series**



Application examples for sections from prefold to delivery of folder gluers.



NBR: Nitrile rubber PE: Polyester fabric PA: Polyamide film PA fabric: Polyamide fabric
※ 1. Coefficient of Friction (for corrugated cardboard) ※ 2. Coefficient of Friction (for steel) ※ 3. Tension values are based on data after relaxation.

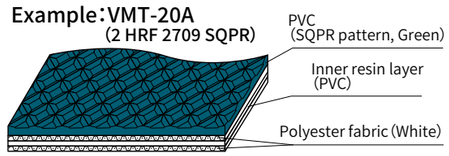
S: Skived splice F: Finger splice TPU: Thermoplastic polyurethane
※ 4. FDA21CFR177.2600（The surface rubber meets the extraction limits)

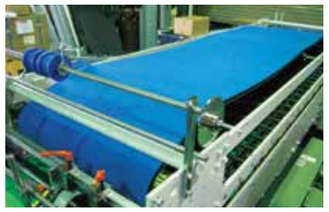
NLG™ – Wide conveyor belts for press conveyors, stackers, material handling conveyors, and belt feeders (paper feed)

NLG is a conveyor belt made of tough polyester fabric with low elongation, highly abrasion-resistant urethane, cost-effective PVC, and in addition, other materials developed for each particular use. It is ideal for stackers on corrugators and for press conveyors on folder gluers, thanks to its high grip.

Features

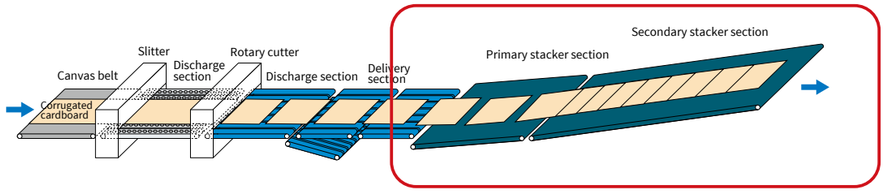
- Suitable for a wide range of conveying, including incline/decline.
- Dimensionally stable, and highly resistant to oil, chemicals and friction.
- Equipped with rigidity in the width direction and excellent planarity.
- Wide widths are available (Max width: 3,000 mm).



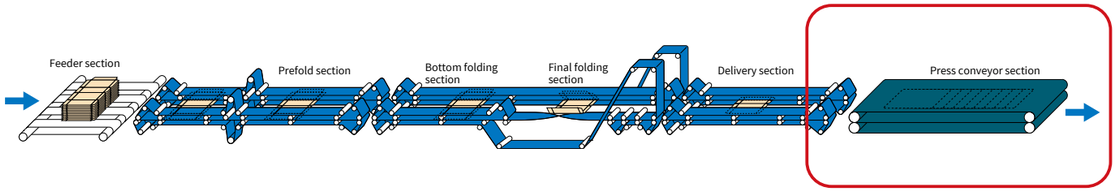


Belt type	Product category	Thickness (mm)	Cover material							Tension member		Minimum pulley diameter (mm)		Splice type	Standard elongation (%)	Tension at standard elongation (N/mm) ※3	Temperature range (°C)	Maximum roll width (mm)	Maximum endless width (mm)	Features
			Top surface				Bottom surface					Forward (F/S)	Reverse (F/S)							
			Material	μ※1	Shape	Color	μ※2	Shape	Color											
MGRB-14A (2 LRAWF 2307 RB)	NLG	2.7	PVC	Approx. 1.0	RB pattern	Green	0.2～0.3	Fabric	White	PE		45/80	50/80	F/S	0.5	2	- 5 ～ +70	2000	2000	The longitudinal groove surface structure is ideal for pushing and stacking.
MGC-14A (2 LRWAF 2304)	NLG	2.1	PVC	0.8 ～ 0.9	Mirror surface	Green	0.2～0.3	Fabric	White	PE		25/50	30/50	F/S	0.5	2	- 5 ～ +70	3000	3000	The surface is ideal for pushing and stacking.
VMT-20A (2 HRF 2709 SQPR)	NLG	2.7	PVC	0.5 ～ 0.6	SQPR pattern	Green	0.2～0.3	Fabric	White	PE		45/80	50/80	F/S	0.5	3	- 5 ～ +70	3000	3000	The surface shape has an SQPR pattern which is ideal for incline/decline stackers to stack corrugated cardboard.
BC-20A (2 HRF 2712)	NLG	2.8	PVC	0.8 ～ 0.9	Mirror surface	Green	0.2～0.3	Fabric	White	PE		45/80	50/80	F/S	0.5	3	- 5 ～ +70	3000	3000	Provides rigidity in the width direction and high planarity, ideal for press conveyors due to its moderate weight and is compatible with sponge coating.
BC-22A (2 HRF 272)	NLG	3.8	PVC	0.8 ～ 0.9	Mirror surface	Green	0.2～0.3	Fabric	White	PE		50/100	60/100	F/S	0.5	3	- 5 ～ +70	3000	3000	
CC-20AK (2 HRF 712 75°)	NLG	2.8	PVC	0.8 ～ 0.9	Mirror surface	White	0.2～0.3	Fabric	White	PE		45/80	50/80	F/S	0.5	3	- 5 ～ +70	3000	3000	Steel plate conveyance
GU-21A (3 LRAFP 02/G2 IM M)	NLG	2.5	TPU	0.5 ～ 0.6	Matte surface	Green	0.2～0.3	Fabric	White	PE		50/120	60/120	F/S	0.5	3	- 20 ～ +80	3000	3000	The smooth PU surface material provides high resistance to abrasion and can be used for pallet conveying at feeding and material handling sections.

Application example – Corrugator stacker section



Application example – Folder gluers press section



Nitta PolyBelt™ and *PolySprint*™ conveyor belts for offset printing equipment/paper sheeter

Belt type	Product category	Thickness (mm)	Cover material							Tension member		Minimum pulley diameter (mm)		Splice type	Standard elongation (%)	Tension at standard elongation (N/mm) ※3	Temperature range (°C)	Maximum roll width (mm)	Maximum endless width (mm)	Features
			Top surface				Bottom surface					Forward	Reverse							
			Material	μ※1	Shape	Color	μ※2	Shape	Color											
SG-500	PolyBelt	1.1	Polyamide	0.4～0.5	Weave	Green	0.3～0.4	NBR-impreg. fabric	Black	PA		40	40	S	1	3.75	-20～+80	325	300	Offset printing machine for package printing
NB-2E10	PolySprint	1.0	TPU	0.2～0.3	Knit	Blue	0.4～0.5	Flat	Blue	PE		15	15	F	1	2	-20～+60	500	500	Paper sheeter
NSZ6201K (NB-3E14)	PolySprint	1.5	TPU	0.4～0.5	Flat	Blue	0.2～0.3	Knit	Blue	PE		20	20	F	1	3	-20～+60	500	500	Paper sheeter
NSZ6201N (NGT-3E14)	PolySprint	1.5	–	0.2～0.3	Knit	Blue	0.1～0.2	Special fabric	Gray	PE		20	20	F	1	3	0～+60	500	500	Paper sheeter
TTZ-4E10LF	PolySprint	1.0	Special polyamide	0.4～0.5	NBR-impreg. fabric	Green	0.1～0.2	Fabric	White	PE		20	30	F	1	4	-20～+60	500	500	Bookbinding machine/Paper sheeter/Printing press/Light duty conveyor
FZ-5E12	PolySprint	1.25	Special polyamide	0.4～0.5	NBR-impreg. fabric	Green	0.5～0.6	Textured surface	Blue	PE		25	35	F	1	5	-20～+60	500	500	Offset printing machine for package printing
GTD	PolySprint	1.45	NBR	0.8～0.9	Textured surface	Dark Blue	0.3～0.4	Textured surface	Black	TPU		25	25	F	5	1.1	0～+60	450	450	Paper sheeter / No take up required

TPU: Thermoplastic polyurethane NBR: Nitrile rubber PVC: Vinyl chloride PE: Polyester fabric PA: Polyamide film

S: Skived splice F: Finger splice

※ 1. Coefficient of Friction (for corrugated cardboard) ※ 2.Coefficient of Friction (for steel) ※ 3. Tension values are based on data after relaxation.

SEB™ for feeders (paper feed)

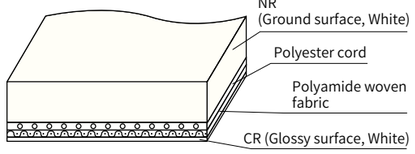
SEB (Super Endless Belt) is a seamless integrally molded endless belt that utilizes dimensionally stable polyester cords as its core material, with high rotational accuracy and durability. SEB series feeder belts are ideal for the feeding sections of folder gluers, into which paperboards are fed. Since the rubber surface and core materials have no adhesive component SEB is free of problems of peeling and produces constant feeding power. It has been proven to provide stable feeding power for long periods of time due to its high friction coefficient and moderate abrasion resistance.

Features

- Seamless integral molding provides high rotational accuracy and durability.
- High grip and feeding power due to a high friction coefficient.
- Ideal for lines where finished appearance is critical and belts must avoid marking the items being conveyed.
- Moderate abrasiveness provides high conveying performance for long periods of time.

Main features by type	
A-WN-F	The surface rubber meets the extraction limits specified by the FDA.
A-NR	Standard type focusing on durability.
A-WN	White standard type focusing on feeding power.
A-GN	Standard type focusing on feeding power.
A-FGN	Type with high planarity type focusing on feeding power.
A-RN	Red standard type focusing on feeding power.

Example：SE-A-WN

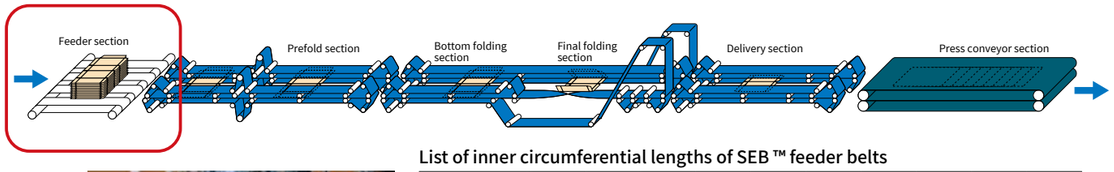


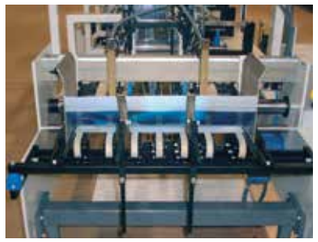
● List of types and features

Belt type		A-WN-F	A-NR	A-WN	A-GN	A-FGN	A-RN
Antistatic		Yes	Yes	No	Yes	Yes	Yes
Available width (㎜)		7 ～ 400	7 ～ 400	7 ～ 400	7 ～ 400	7 ～ 400	7 ～ 400
Standard thickness (㎜)		8.0	8.0	8.0	8.0	8.0	8.0
Available thickness (㎜)		2 ～ 12	2 ～ 14	2 ～ 12	2 ～ 12	6 ～ 12	2 ～ 12
Rubber surface material		Special rubber	Natural rubber	Natural rubber	Natural rubber	Natural rubber	Chloroprene rubber
Surface rubber hardness		45JIS.A	50JIS.A	35JIS.A	35JIS.A	35JIS.A	35JIS.A
Conveying surface rubber color		White	Blue	White	Green	Green	Red
Conveying surface shape		Ground surface	Ground surface	Ground surface	Ground surface	Ground surface	Ground surface
Pulley side surface shape		Glossy surface	Glossy surface	Glossy surface	Glossy surface	Glossy surface	Glossy surface
Mass (kg /㎡※)		8	10.2	10.2	10.2	10.2	10.2
Breaking strength (N/ ㎜ width)		58.8	58.8	58.8	58.8	58.8	58.8
Standard elongation (%)		0.5	0.5	0.5	0.5	0.5	0.5
Tension at the standard elongation after relaxation (N/ ㎜ width)		3.7	3.7	3.7	3.7	3.7	3.7
Coefficient of friction	Conveying surface (for corrugated cardboard)	1.5	1.5	2.0	2.0	2.0	1.5
	Pulley side surface (for SUS)	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4
Minimum pulley diameter (㎜) ※		ϕ80	ϕ80	ϕ80	ϕ80	ϕ80	ϕ80
Temperature range (°C)		-20 ～ +60	-20 ～ +60	-20 ～ +60	-20 ～ +60	-20 ～ +60	-20 ～ +60

※ In the case of belt thickness 8mm.

Application example – Folder gluer feeder section





List of inner circumferential lengths of SEB ™ feeder belts

800 ㎜～	800	815	830	850	857	870	876			
900 ㎜～	900	904	908	913	935	950	960	973	980	995
1000 ㎜～	1000	1008	1016	1021	1023	1026	1041	1050	1060	
	1066	1067	1071	1073	1080	1093				
1100 ㎜～	1100	1115	1135	1142	1145	1165	1175	1190		
1200 ㎜～	1200	1207	1230	1234	1250	1261	1270	1285		
1300 ㎜～	1300	1308	1338	1350	1396					
1400 ㎜～	1415	1430	1450	1478						
1500 ㎜～	1500	1535	1550	1590						
1600 ㎜～	1600	1620	1645	1653	1660					
1700 ㎜～	1700	1708								
1800 ㎜～	1800	1835	1850	1890						
1900 ㎜～	1965	1970								

400 to 800 mm lengths are also available. For sizes not listed above, please contact us.

PolySprint™ Endless splicing tools — *PolySprint*™

Fixing an unexpectedly broken belt is simple.
No need to disassemble the machine or worry about a long downtime.

●Finger Puncher : Tool to make finger splices.

Type	Appearance	Features	Max. belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Finger length × pitch
FP30-10-50N		Accurate finger splices can be easily performed with the single action punching system.	50	2.0	135	400	390	3.4	30×10
FP30-10-100		Accurate finger splices can be easily performed with the single action punching system.	100	2.0	200	500	504	7.2	30x10
FP120-10-50		Punches are made in the width direction by pitch feeding for accurate finger splices.	50	6.0	180	600	250	9.0	120×10
FP120-10-100		Punches are made in the width direction by pitch feeding for accurate finger splices.	100	6.0	230	610	250	10.5	120×10

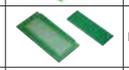
●Heat(heating)Press : A press tool to join belts by heating and pressurizing for a specific time. No adhesives are required.

Type	Appearance	Features	Marking	Max. belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Finger length × pitch	Power	Temp (℃)
NPS-3050 H1		A heat press tool to make finger splices. Adjustable temperature for precise joining.	PSE CE	50	2.0	84	250	100	1.5	30 × 10	100V	～ 200
NPS-3050 H2											200V	
NPS-0310 H1		A heat press tool to make finger splices. Adjustable temperature for precise joining.	PSE CE	100	2.0	107	365	112	4.2	30 × 10	100V	～ 210
NPS-0310 H2											200V	
NPS-1210A-1		A heat press tool to make finger splices. This single fully automatic machine heats and cools.	PSE CE	100	7.0	230	320	180	9.2	120 × 10	100V	～ 200
NPS-1210A-2											200V	

●Cooling Press : A tool to cool splices after heating and pressurizing. No power is required.

Type	Appearance	Features	Max. belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Finger length × pitch
NPS-3050C		A cooling press tool for finger splices.	50	2.0	80	224	92	0.6	30×10
NPS-0310C		A cooling press tool for finger splices.	100	2.0	102	311	102	2.4	30×10

●Other necessary tools

Type	Appearance	Features
Presetter		A jig to hold belts straight in place temporarily when pressing. Presetters are available in widths that match press type and belt width.
EB Presetter		Presetter has "extended base" design to help with keeping splice area centered.
Clamps (2 Pieces)		Clamps to hold the presetter.

Nitta PolyBelt™ Endless splicing tool — Nitta PolyBelt™

Highly reliable tools exclusively designed for our popular Nitta PolyBelt™.

●Poly Skiver : A tool to make skived splices.

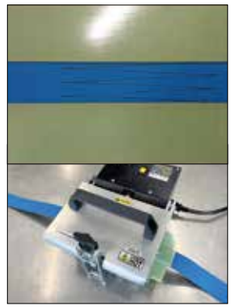
Type	Appearance	Features	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Power
PS153		Tool for making highly reliable skived-end belts, developed through extensive user experience.	150	3.0	400	380	435	33.0	100V or 200V

●Poly Press : A heat press tool for skived splices.

Type	Appearance	Features	Marking	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Power	Temp (℃)
PI-50		A press tool for skived splices. Light, easy to use and a popular choice.	PSE	50	2.5	112	160	90	1.3	100V or 200V	110
PP103		A press tool for highly reliable skived splices, developed through extensive user experience.	PSE	100	5.0	140	295	150	3.1	100V or 200V	

Endless belts easy to set up in a short time (no experience required).

Finger splice (no adhesive required).



Video demonstrating how to use PolySprint tool

CBX-7S
NRT-100
RT-300
NRT-500
XH-500-3-F
XH-500-3
XH-500-4
XH-500-6
RT-22E70-2
XHTG-15E34-2
XH-8E-40
SE-A-NR
SE-A-WN-F
SE-A-GN
SE-A-RN
MGRB-14A (2 LRAWF 2307 R
VMT-20A (2 HRF 2709 SQP
BC-20A (2 HRF 2712)