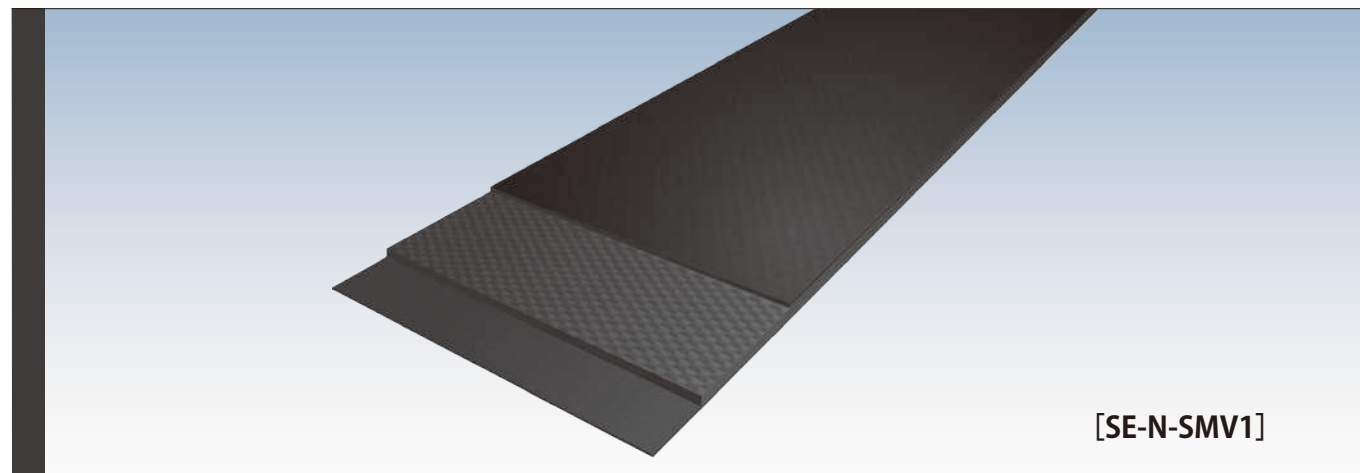
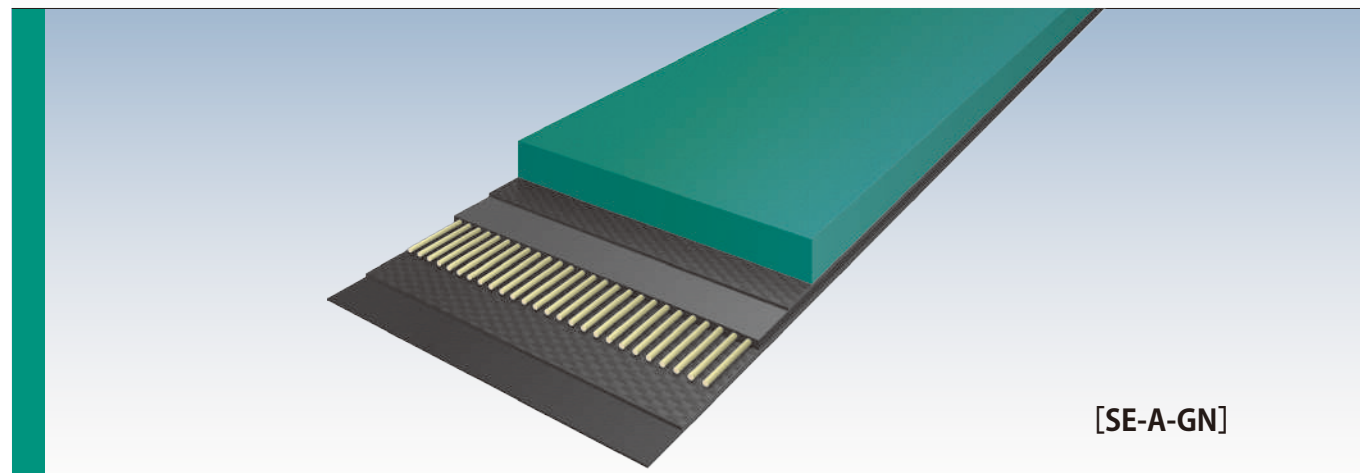
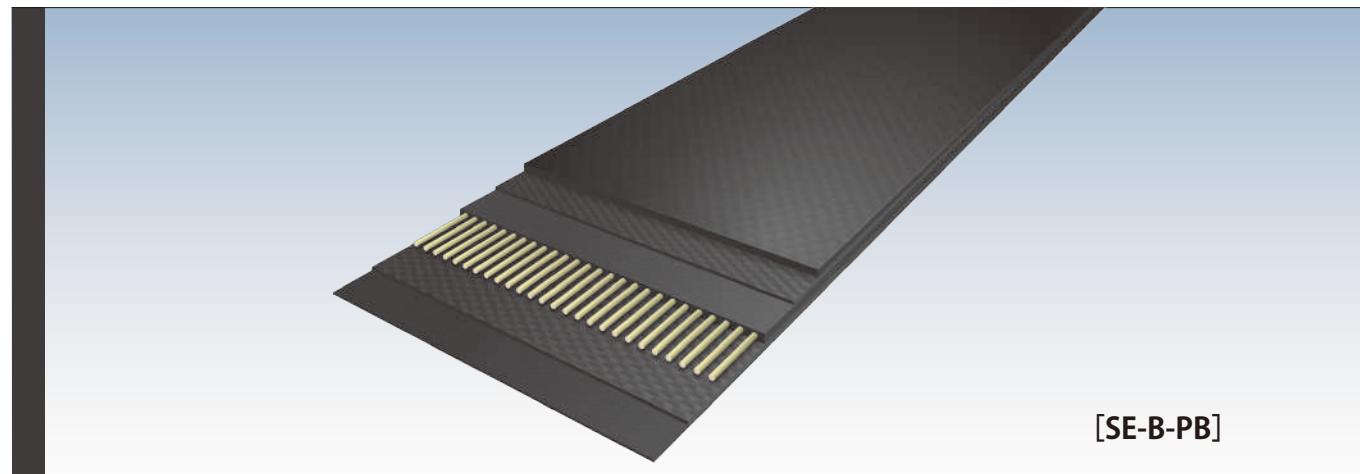


Super Endless Belts

SEB™



NITTA CORPORATION

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 that the machine has stopped.
-  **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. 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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Belt type	Features	Applications	Construction			Specifications for manufacture [mm]			Tension after relaxation [N/mm width]	Min. pulley diameter [mm]	Abrasion resistance	Ozone resistance	Antistatic properties
			Tension member	Bottom surface	Top surface	Width	Thickness	Inner length * 1					
SE-A-PB	Low torque, High speed transmission	Grinder, Machine tool, Centrifugal separator	Polyester cord	Black NBR (Ground surface)	Black NBR (Glossy surface)	5~400	1.2	128 ~ 4525	7.4 (1% elongation)	15	◎	△	◎
SE-B-PB	Medium torque, High speed transmission	Machine tool, Centrifugal separator	Polyester cord	Black NBR (Ground surface)	Black NBR (Glossy surface)	5~400	1.4	128 ~ 4525	14.7 (1% elongation)	25	◎	△	◎
SE-A-GN	High friction	Feeder belt for folder gluer	Polyester cord	Black CR (Glossy surface)	Green NR (Ground surface)	7~400	2~12	400 ~ 1970	3.7 (0.5% elongation)	* 2	× * 3	×	○
SE-A-WN	White, High friction	Feeder belt for folder gluer	Polyester cord	White CR (Glossy surface)	White NR (Ground surface)	7~400	2~12	400 ~ 1970	3.7 (0.5% elongation)	* 2	× * 3	×	×
SE-GS-OC	Low torque, High speed transmission	For breaking a stick of ceramic chips	Glass cord	Black CR (Impregnated surface)	Black CR (Impregnated surface)	5~400	0.75	147 ~ 1563	7.4 (0.3% elongation)	20	○	◎	◎
SE-F50-LBU	Light load transmission and conveying	Ticket checker, Ticket vendor, Card vendor	Polyester seamless fabric	Black MPU (Glossy surface)	Black MPU (Ground surface)	5~200	1.0	98.5 ~ 1564	2.5 (2% elongation)	15	◎	◎	○
SE-G15-SBU	High accuracy transmission, Insertion conveying	ATM, Ticket vendor, Card reader, Card vendor	Polyester seamless fabric	Black MPU (Ground surface)	Black MPU (Impregnated surface)	3~200	0.65	97 ~ 1562.5	0.74 (2% elongation)	6	◎	◎	○
SE-G30-SBU	High accuracy transmission, Insertion conveying	ATM, Ticket vendor, Card reader, Card vendor	Polyester seamless fabric	Black MPU (Ground surface)	Black MPU (Impregnated surface)	3~200	0.8	96.5 ~ 1560	1.5 (2% elongation)	8	◎	◎	○
SE-N-LBU	Insertion conveying, Coin conveying	ATM, Coin changing machine	Polyester seamless knit	Black MPU (Glossy surface)	Black MPU (Ground surface)	8~200	1.0	82.5 ~ 1565	0.49 (5% elongation)	10	◎	◎	○
SE-N-SBR	Insertion conveying, Banknote conveying	ATM, Cash dispenser	Polyester seamless knit	Black MPU (Ground surface)	Black MPU (Impregnated surface)	8~200	0.65	80 ~ 1558	0.49 (5% elongation)	8	◎	◎	◎
SE-N-SBR-N	Insertion conveying, Banknote conveying, Odorless	ATM, Cash dispenser	Polyester seamless knit	Black MPU (Ground surface)	Black MPU (Impregnated surface)	8~200	0.65	80 ~ 1558	0.49 (5% elongation)	8	◎	◎	◎
SE-N-SMV1	Insertion conveying, Banknote conveying, Low load torque in low temperatures	ATM, Cash dispenser	Polyester seamless knit	Black MPU (Ground surface)	Black MPU (Impregnated surface)	8~200	0.65	80 ~ 1558	0.44 (5% elongation)	8	◎	◎	◎
SE-N-SHR	Insertion conveying, Banknote conveying, Low load torque in low temperatures, Heat and moisture resistance	ATM, Cash dispenser	Polyester seamless knit	Black MPU (Ground surface)	Black MPU (Impregnated surface)	8~200	0.65	80 ~ 1558	0.44 (5% elongation)	8	◎	◎	◎

* 1 : Determined by mold sizes.
* 2 : (Belt thickness x 10).
* 3 : Good performance for feeder.

MPU : Millable polyurethane
CR : Chloroprene rubber
NBR : Nitrile rubber
NR : Natural rubber

◎ Excellent

△ Fair

○ Good

× Poor