

Belts for
Textile Industries



NITTA CORPORATION INDIA PVT. LTD.

Gat No. 191, 192 & 193 - Plot B, Village Vadhu Khurd, Haveli Taluka, Pune- 412 216, India.

<http://www.nitta.co.in>

sales@nitta.co.in

Tel: +91 20 6731-3400



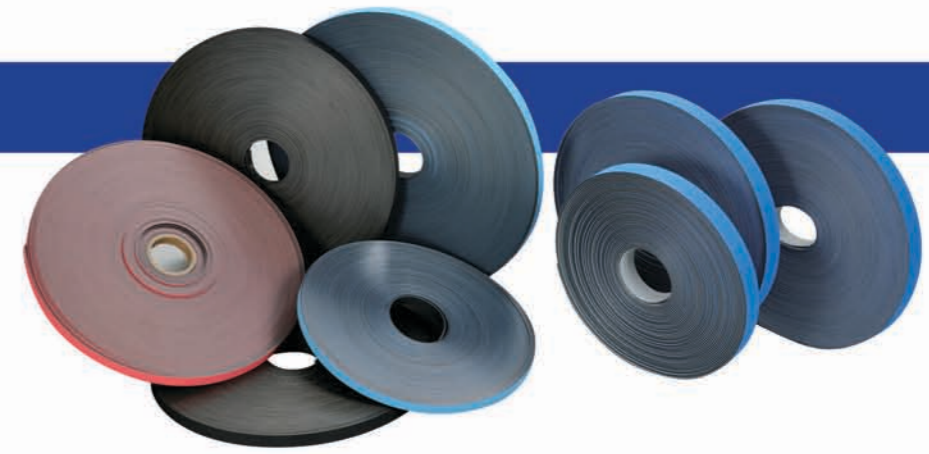
NITTA CORPORATION

Category	Belt Type	Thickness (mm)	Surface (Top/Bottom) *1	Color (Top/Bottom)	Tension Member *2	Minimum Pulley Diameter (mm)	Tensile Force For Standard Elongation (N/mm) *3	Standard Elongation (%)	Recommend Elongation Range (%)	Belt Mass (Kg/m ²)	Temperature Range (°C)	Maximum Length (M)	Blow - Room & Card	Draw Frame	Comber	Ring Frame	OE	TFO	DTY	Winding	Covering	Overhead Cleaners	Features	Skiver Splice	Finger Splice	Belt Type	Category				
PolyBelt	SG-350	0.95	NBR/NBR	Green/Black	PA	35	5.2	2	1~3	0.9	-20 ~ +80	105	●										Low Noise, Excellent Durability.	●		SG-350	PolyBelt				
	SG-500	1.1	NBR/NBR	Green/Black	PA	50	7.5	2	1~3	1.1	-20 ~ +80	105	●											●		SG-500					
	TFL-6S	2.25	NBR/NBR	Dark Blue/ Gray	PA	60	11.5	2	1~3	2.4	-20 ~ +80	105	●	●	●							●		●	●			TFL-6S			
	TFL-10S	2.6	NBR/NBR	Dark Blue/Gray	PA	100	19.5	2	1~3	2.8	-20 ~ +80	210	●	●	●		●	●						●		●			TFL-10S		
	TFL-12S	2.85	NBR/NBR	Dark Blue/Gray	PA	125	24.5	2	1~3	3.1	-20 ~ +80	105	●				●	●						●		●			TFL-12S		
	TFL-15S	3.1	NBR/NBR	Dark Blue/Gray	PA	150	30.0	2	1~3	3.4	-20 ~ +80	105	●				●	●								●			TFL-15S		
	TFL-18S	3.35	NBR/NBR	Dark Blue/Gray	PA	175	34.0	2	1~3	3.7	-20 ~ +80	105				●				●						●			TFL-18S		
	L-500	1.55	NBR/NBR	Blue/Black	PA	50	7.5	2	1~3	1.8	-20 ~ +80	105	●	●	●											●			L-500		
	LA-750S	2.25	NBR/NBR	Blue/Blue	PA	75	15.00	2	1~3	2.5	-20 ~ +80	210												●		●			LA-750S		
	M-1000GS	2.6	NBR/NBR	Blue/Black	PA	100	19.5	2	1~3	2.9	-20 ~ +80	210					●									●			M-1000GS		
	MB-1000GSR	2.6	NBR/NBR	Black/Black	PA	100	19.5	2	1~3	2.9	-20 ~ +80	210					●									●			MB-1000GSR		
TMG-1500S	3.7	NBR/NBR	Gray/Gray	PA	150	30.0	2	1~3	4.1	-20 ~ +80	125									●				●		TMG-1500S					
HUS-500	1.45	Hard PU/NBR	Green/Black	PA	40	3.8	1	0.5~2	1.7	-20 ~ +80	105			●										●		HUS-500					
PolySprint	TFL-15E20	2.0	NBR/NBR	Dark Blue/Black	PE	40	15.0	1	0.5~2	2.3	0 ~ +60	200	●	●	●	●							Less Power Consumption, Easy to Make Endless, Low Noise, Shorter Take-Up.	●		TFL-15E20	PolySprint				
	TFL-15E25	2.5	NBR/NBR	Dark Blue/Black	PE	50	15.0	1	0.5~2	3.0	0 ~ +60	200	●	●	●	●	●							●		TFL-15E25					
	TFL-22E26-2	2.6	NBR/NBR	Dark Blue/Black	PE	50	22.0	1	0.5~2	3.1	-20 ~ +60	200	●	●	●	●	●	●						●		●			TFL-22E26-2		
	TL-22E30	3.0	NBR/NBR	Dark Blue/Black	PE	70	22.0	1	0.5~2	3.5	0 ~ +60	100							●						●			●		TL-22E30	
	TLA-30E30-2	3.0	NBR/NBR	Dark Blue/Dark Blue	PE	70	30.0	1	0.5~2	3.5	0 ~ +60	100				●		●							●			●		TLA-30E30-2	
	GTD	1.45	NBR/TPU	Dark Blue/Black	TPU	25	1.1	5	3~8	1.7	-20 ~ +60	100	●									●				●			●		GTD
	TA-10TF	0.9	TPU/TPU	Blue/Black	PE	25	0.7	5	3~8	1.0	-20 ~ +60	100	●													●			●		TA-S6
	TC	1.4	TPU/TPU	Green/Black	TPU	40	0.8	5	3~8	1.5	-20 ~ +60	100										●				●			●		TC
SEB	SE-A-PSS	1.6	NBR/NBR	Blue/Blue	PA	15	7.4	1	0.5~1	2.0	-20 ~ +80	4.531		●									Seamless, Flexibility, Excellent Rotational Stability.			SE-A-PSS	SEB				
	SE-B-PB	1.4	NBR/NBR	Black/Black	PA	25	14.7	1	0.5~1	1.6	-20 ~ +80	4.525		●						●								SE-B-PB			
	SE-D-PB	1.7	NBR/NBR	Black/Black	PA	35	29.4	1	0.5~1	2.0	-20 ~ +80	4.525		●						●								SE-D-PB			
	SE-A-PB	1.2	NBR/NBR	Black/Black	PA	15	7.4	1	0.5~1	1.4	-20 ~ +80	4.525		●															SE-A-PB		
	SE-D-PSS	2.3	NBR/NBR	Blue/Blue	PA	35	29.4	1	0.5~1	2.9	-20 ~ +80	4.530		●															SE-D-PSS		
Conveyor	2 RAF	1.65	Fabric/Fabric	Transparent	PE	20	6	0.6	0.6~0.8	1.8	-10 ~ +90	108									●		Low Stretch Polyester Fabric, Wear Resistant, Smooth Surface, Lateral Stability.	●		2 RAF	Conveyor				
	2 LRAF 204	2.0	PVC/Fabric	Green/Transparent	PE	25	4	0.5	0.4~0.9	2.3	-10 ~ +80	105	●		●		●	●		●	●			●		●			2 LRAF 204		
	2 HRF 305 KAM	6.6	Woolfelt/Fabric	White	PE	60	6	0.3	0.3~0.6	3.3	-10 ~ +80	67					●									●			2 HRF 305 KAM		
	3 XR 905/905 LSQ	4.5	PVC/PVC	Black/Black	PE	150	5	0.5	0.5~0.8	5.2	-10 ~ +80	46	●													●			3 XR 905/905 LSQ		

*1 Depending on the application, top and bottom covers can be reversed.
 *2 PE : Polyester PA : Polyamide
 *3 Tensile Force is measured after running 200 hours in internal test.

* SEB length depends on the mould.
 * All belt types listed above have antistatic properties.

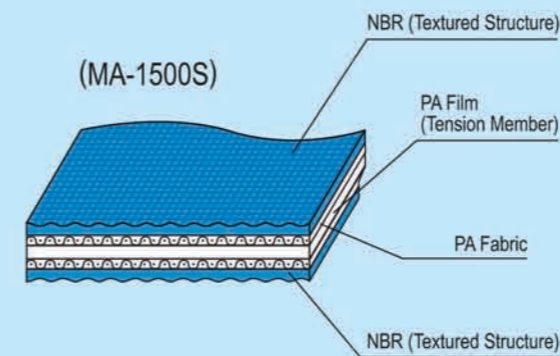
The NITTA Advantage - Innovative Products and Solutions



PolyBelt™

Super-strong polyamide core, extended-life skived joining, high operating duty cycles

- High Strength, Long Life**
 High flexibility and rugged design for heavy-duty applications. Polyamide core accommodates shock loads, and wide choice of covers provide abrasion resistance, giving long, dependable service.
- Electrically Conductive**
 Materials with anti-static properties are used in specific layers to provide permanent conductivity, eliminating build-up of electro-static charges. Selected materials are not susceptible to oil contamination.
- Environmental Resistance**
 Selected materials are not susceptible to oil contamination.



Nomenclature **MA-1500 S**

[Surface]
 L : Light
 M : Medium
 H : Heavy

A : Blue NBR on Both Surfaces
 B : Black NBR on Both Surfaces

S : Super Strength
 G : Ground Surface
 PA Film Thickness in mm×1000
 (1.5×1000=1500)

TFL-10 S

[Surface]
 T : Tangential
 F : Taffeta
 L : Light
 M : Medium

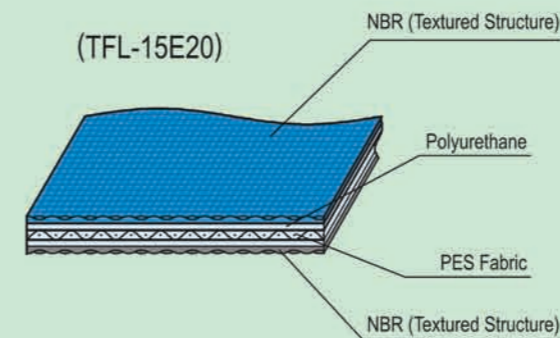
PA Film Thickness in mm×10
 (1.0×10=10)

S : Super Strength

PolySprint™

Finger-spliceable, easy installation, high-strength polyester core

- Ease of Joining**
 A single action Nitta cutter eliminates the tedious task of multiple cuts that can lead to mismatched and non-aligned joints. Finger-splice joints are completed without adhesive.
- Dimensional Stability**
 Polyester fabric used as tension member provides high dimensional stability. Selected materials are temperature and humidity tolerant.
- Abrasion Resistance**
 Friction resistant covers and fabric are exclusively designed for textile machinery.
- Less Power Consumption**
 PolySprint's flexibility enables machines to run more efficiently, reducing power consumption.



Nomenclature **TFL-15E 20**

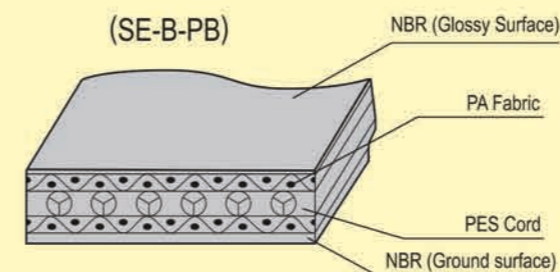
[Surface]
 T : Tangential
 F : Taffeta
 L : Light
 M : Medium

Belt Tension in N/mm
 (1% Elongation at 200 hrs. running)

Belt Thickness in mm×10

SEB™ (Super Endless Belt)

- Seamless**
 Splice free belts made by molded forming with excellent dimensional stability.
- Excellent flexibility, bending resistance and abrasion resistance**
 Excellent flexibility, long flex life and abrasion resistance can be expected even with power transmission and carrying equipment using very small pulleys.
- High rotation accuracy**
 High rotation accuracy is available as pitch line is stable.



Nomenclature **SE - B - PB**

Series Name

Cord type A : Tension at 1% elongation 14.7(N/mm)

Surface shape : Plane Surface

Surface material : Black NBR

Splicing Tools (PolySprint™ • PolyBelt™)

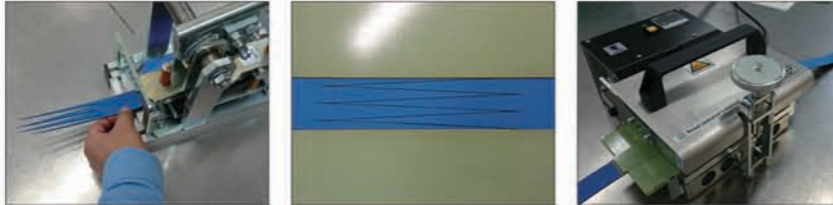
Splicing Tools for PolySprint™

PolySprint™

**Quick and Easy Endless
(No Experience Required)**

**Finger Joint
(No Adhesive Needed)**

PolySprint tools make replacing broken belts quick and easy, with minimal disassembly of the machine.



● Finger Puncher

Type	Appearance	Features	Max. Width (mm)	Max. Thick. (mm)	Size (mm)			Wt. (kg)	Finger Length × Pitch
					Width	Length	Height		
FP-3712-100		Precise Indexing System	100	6	206	650	320	11.2	120 X 10 70 X 10 30 X 10

● Heating and Cooling Press

Type	Appearance	Features	Marking	Max. Width (mm)	Max. Thick. (mm)	Size (mm)			Wt. (kg)	Finger Length × Pitch	Power	Temp. (°C)
						Width	Length	Height				
NPS-1205H1		Quick finishing just in 10 minutes.	PS E	50	6.0	Press Body	165	320	115	3.6	100V	~210
NPS-1205H2						Controller	90	225	45			
NPS-1205C			—			165	295	110	1.22	70x10 120x10	—	—
PSP-712-100		Automated heating and cooling press	CE	100	6.0	240	320	210	9.5		200-240 V	~200

● Other Tools

Type	Appearance	Features
Presetter		Guide rails to hold joint straight when pressing
Clamp (2 Pieces)		Clamps for holding presetter together when pressing

Splicing Tools for PolyBelt™

PolyBelt™

Nitta provides well-made, reliable tools for effective and efficient fabrication of our belts.

● Poly Skiver

Type	Appearance	Features	Max. Width (mm)	Max. Thick. (mm)	Size (mm)			Wt. (kg)	Power
					Width	Length	Height		
PS153		PolyBelt skiver for making skived ends. Highly reliable and widely accepted.	150	3.0	400	380	435	33.0	100V or 200V

● Poly Press

Type	Appearance	Features	Marking	Max. Width (mm)	Max. Thick. (mm)	Size (mm)			Wt. (kg)	Power	Temp. (°C)
						Width	Length	Height			
PP051		PolyBelt press for skived joining. Lightweight, easy to use and well-regarded in the industry.	PS E	50	2.5	112	160	90	1.3	100V or 200V	110
PP103		PolyBelt press for skived joining. Reliable, easy to use and well-regarded in the industry.	PS E	100	5.0	140	295	150	3.1	100V or 200V	

Sonic Tension Meter U-508



Measurement of tension has depended greatly on the measurer's instinct, sometimes with very subjective results. Now, the sonic belt tension meter allows anyone to measure tension easily and correctly. Acoustic waves (natural frequency) generated by a belt are captured by the meter's sensor, and a digital processor uses the reading to calculate tension to a high degree of accuracy. The precise results are displayed on-screen.