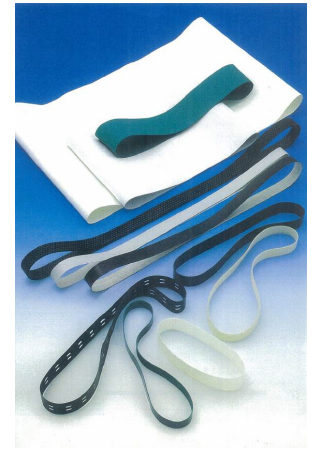


PS BELT

The PS Belt is an abbreviation for Precision Seamless Belt and is a thin, seamless, woven flat belt. It is a new type of high-performance flat belt that was developed to meet requests for little non-uniformity of rotation, little vibration, and reliable feed for sheets, tickets, cards, or the like in OA equipment, financial equipment, computer peripheral devices, and atomization equipment that are recently showing remarkable developments.



FEATURES

Most suitable for miniaturization

The thin, seamless, and highly flexible belt can be designed with small pulleys.

Smooth rotation

As the tension member is seamless and at a fixed position at all times, the belt provides vibration-free, smooth rotation.

Re-tensioning is unnecessary

The specially processed tension member provides excellent dimensional stability and has little elongation during running.



Contributes to energy-saving





The thin, light, and highly flexible belt minimizes power transmission loss.

Rich selection

The wide selection of product types with various combinations of tension member, cover material, and surface profile allows optimum belt selection that matches the purpose of use and conditions.

STRUCTURE

(Unit: mm)			
Product type	Structure	Thickness	Width
A-1C		0.22	3~300
A-1N		0.22	
A-1U		0.22	
A-1H		0.22	
A-4C		0.6	5~300
A-4N		0.6	
A-4U		0.45	
A-4H		0.6	
A-10C		1.0	5~300
A-10N		1.0	
A-10U	0.9		
A-10H	1.0		
A-13C	1.1	5~300	
A-13N	1.1		
A-13U	1.0		
A-13H	1.1		
B-2C		0.8	5~300
B-2N		0.8	
B-2U		0.8	
B-2H		0.8	
B-3C		0.6	10~300
B-3N		0.6	
B-3U		0.6	
B-3H		0.6	
B-6C		1.0	10~300
B-6N		1.0	
B-6U	0.9		
B-6H	1.0		

(Unit: mm)				
Product type	Structure	Thickness	Width	
C-8C		0.7	3~300	
C-8N		0.7		
C-8U		0.6		
C-8H		0.7		
C-16C		0.7	3~300	
C-16N		0.7		
C-16U		0.6		
C-16H		0.7		
Z-H250X		 ③ Mirror face	0.9	10~300
E-8U		 ④ Polished face	0.65 0.8 1.0	8~200
EXL-101	 ③ Mirror face ② Polished face	0.65 0.8 1.0	8~200	

Indication Method

A-10N 20 × 500

Product type Inside length (500 mm)
Width (20 mm)

Table 1 Table for Characteristic and Functional Selections

Main use	Application	Belt specification ^{Note 1)}	Structure					Color tone	Manufacturable dimensions (mm) ^{Note 3)}			
			Face profile ^{Note 2)}			Tension member			Cover material	Thickness	Width	Inside length
			Designation	Front face	Back face	Material	No. of sheets					
Conveyance	For food stuffs ^{Note 5)}	A-1UDW	P/S	Pressed face	Impregnated face	Polyester	1	Polyurethane	White	0.2	3~200	400~1500
		A-4UDG	F/R	Smooth face	Rough face	Polyester	1	Polyurethane	Green	0.45	5~200	180~2700
		A-4UDGr	F/S	Smooth face	Impregnated face	Polyester	1	Polyurethane	Gray	0.45	5~200	180~2700
		A-4UDW	P/S	Pressed face	Impregnated face	Polyester	1	Polyurethane	White	0.4	5~200	180~2700
		A-4UDBL	P/S	Pressed face	Impregnated face	Polyester	1	Polyurethane	Blue	0.4	5~200	400~2700
	Paper (sandwiched)	B-2CB	R/F	Rough face	Smooth face	Polyester	1	Chloroprene rubber	Black	0.80	5~200	250~2600
		C-16UB	R/F	Rough face	Smooth face	Polyester	1	Polyurethane	Black	0.60	3~200	160~2500
	Paper (vacuumed)	A-4UEB	F/R-A	Smooth face	Rough face	Polyester	1	Polyurethane	Black	0.45	~360	180~2700
		E-8UB	M/K-A	Mirror face	Polished face	Polyester	1	Millable urethane	Black	0.65/0.8/1.0	8~200	50~1457
	Bill (sandwiched)	E-8UB	K/K	Polished face	Polished face	Polyester	1	Millable urethane	Black	0.65/0.8/1.0	8~200	50~1457
EXL101B		M/K	Mirror face	Polished face	Polyester	1	Millable urethane	Black	0.65/0.8/1.0	8~200	50~1457	
Power transmission	Low torque	A-4CB	R/F	Rough face	Smooth face	Polyester	1	Chloroprene rubber	Black	0.60	5~200	180~2700
		A-4NB	R/F	Rough face	Smooth face	Polyester	1	Nitrile rubber	Black	0.60	5~200	180~2700
		B-6NB	R/F	Rough face	Smooth face	Polyester	1	Nitrile rubber	Black	1.00	10~200	250~2800
	Medium torque	A-10CB	R/F	Rough face	Smooth face	Polyester	1	Chloroprene rubber	Black	1.00	5~200	300~3000
		A-10NB	R/F	Rough face	Smooth face	Polyester	1	Nitrile rubber	Black	1.00	5~200	300~3000
		A-13CB	R/F	Rough face	Smooth face	Polyester	1	Chloroprene rubber	Black	1.10	5~200	300~3000
Special	Chipping	A-1UEW	F/F	Smooth face	Smooth face	Polyester	1	Polyurethane	White	0.22	3~50	100~1500
		A-1NB	P/M	Pressed face	Mirror face	Polyester	1	Nitrile rubber	Black	0.22	3~50	100~1500
		A-4UEW	M/P	Mirror face	Pressed face	Polyester	1	Polyurethane	White	0.4	5~200	180~2700
	Ultra-heat-resistant	ZH250X	M/M	Mirror face	Mirror face	Aramid	1	Silicone rubber	Dark brown	0.90	10~200	460~1500
	Bend-resistant	A-P	S/S	Woven material	Woven material	Nylon	2, 4, 8	Chloroprene impregnation	Black	—	10~100	200~2700
		A-PW	O/O	Woven material	Woven material	Nylon	2, 4, 8	Stiffening agent impregnation	White	—	10~100	200~2700
	Heat- and weather-resistant	B-2HW	R/F	Rough face	Smooth face	Polyester	1	CSM	White	0.80	5~200	250~2600
		B-2HG	R/F	Rough face	Smooth face	Polyester	1	CSM	Green	0.80	5~200	250~2600
	Support for reverse conveyance	A-ESS2W	M/O	Mirror face	Woven material	Polyester	2	Polyurethane	White	1.10	620	2482
	Ear fraying prevention	TA-4UEB	M/D	Mirror face	Texture-adjusted surface	Polyester	1	Polyurethane	Black	0.65	4.5~200	350~2700
TA-4UW		D/D	Texture-adjusted surface	Texture-adjusted surface	Polyester	1	Polyurethane	White	0.45	5~200	350~2700	
Blade-resistant	G-15TSDK	M/O	Mirror face	Woven material	Polyester	1	Silicone rubber	Light yellow (Woven material base color)	0.55	200~500	1000~3000	

- Note 1)** In addition to the above product types, various combinations of cover material, surface profile, and color are available; please contact us.
- Note 2)** Select an appropriate surface to be used in accordance with the operating conditions. (Normally, use the smooth face as the pulley surface.) In addition to the above surface profiles; impregnation / smooth face, smooth face / smooth face, and mirror face / mirror face are also available; please contact us.
- Note 3)** If you need belt dimensions outside the manufacturable range, please contact us.
- Note 4)** The above items describe general physical characteristics of cover rubber. These are not guaranteed values. Please contact us and perform sufficient evaluation before use.
- Note 5)** For tones that conform to the Food Sanitation Law, select a tone from white, green, gray, and blue. Only the white tone conforms to AFD and PIM.
- Note 6)** These are a rough guide for belt selection and are not standard values.

Note 6) Tensile strength N/10 mm	Note 7) Stable shaft load with each stretch N/10mm	Minimum pulley diameter (mm)	Note 4) Abrasion resistance	Note 4) Oil resistance	Note 4) Conductivity	Note 4) Flame resistance	Note 4) Ozone resistance	Note 4) Heat/dielectric resistance	Note 4) Wear and lurching resistance	Note 4) Food Sanitation	Operating limit temperature (°C)													Belt specification
											-40	-20	0	20	40	60	80	100	120	140	160	180	200	
150	0.5% 30	5	⊙	⊙	○	○	⊙	○	×	⊙	←→													A-1UDW
400	0.5% 45	10	⊙	⊙	○	○	⊙	○	×	⊙	←→													A-4UDG
400	0.5% 45	10	⊙	⊙	○	○	⊙	○	×	⊙	←→													A-4UDGr
400	0.5% 45	10	⊙	⊙	○	○	⊙	○	×	⊙	←→													A-4UDW
400	0.5% 45	10	⊙	⊙	○	○	⊙	○	×	⊙	←→													A-4UDBL
250	1% 30 2% 50 3% 60	10	○	○	⊙	⊙	⊙	○	⊙	×	←→													B-2CB
160	1% 20 2% 30 3% 40	7	⊙	⊙	×	○	⊙	○	×	×	←→													C-16UB
400	0.5% 45	10	⊙	⊙	⊙	○	⊙	○	×	×	←→													A-4UEB
—	5% 10 6% 12 7% 14	8/12/14	⊙	○	×	○	⊙	○	×	×	←→													E-8UB
—	5% 10 6% 12 7% 14	8/12/14	⊙	○	×	○	⊙	○	×	×	←→													E-8UB
—	5% 10 6% 12 7% 14	8/12/14	⊙	○	⊙	○	⊙	○	×	×	←→													EXL101B
400	0.5% 45	10	○	○	⊙	⊙	⊙	○	⊙	×	←→													A-4CB
400	0.5% 45	10	⊙	⊙	⊙	○	×	○	⊙	×	←→													A-4NB
600	1% 180 2% 280 3% 360	25	⊙	⊙	⊙	○	×	○	⊙	×	←→													B-6NB
1000	0.5% 110	15	○	○	⊙	⊙	⊙	○	⊙	×	←→													A-10CB
1000	0.5% 110	15	⊙	⊙	⊙	○	×	○	⊙	×	←→													A-10NB
1350	0.5% 170	20	○	○	⊙	⊙	⊙	○	⊙	×	←→													A-13CB
150	0.5% 30	5	⊙	⊙	○	⊙	⊙	○	⊙	×	←→													A-1UEW
150	0.5% 30	5	⊙	⊙	⊙	○	×	○	⊙	×	←→													A-1NB
400	0.5% 45	10	⊙	⊙	⊙	○	⊙	○	×	×	←→													A-4UEW
400	1% 120	30	×	○	×	○	⊙	⊙	⊙	×	←→													ZH250X
	1% 130 2% 210	50	○	○	×	○	○	○	⊙	×	←→													A-P
			×	⊙	×	×	⊙	○	×	×	←→													A-PW
250	1% 30 2% 50 3% 60	10	○	○	×	⊙	⊙	⊙	⊙	×	←→													B-2HW
250	1% 30 2% 50 3% 60	10	○	○	×	⊙	⊙	⊙	⊙	×	←→													B-2HG
780	0.5% 80	10	○	○	×	⊙	⊙	○	×	⊙	←→													A-ESS2W
400	0.5% 40	10	⊙	⊙	⊙	○	⊙	○	×	×	←→													TA-4UEB
400	0.5% 45	20	⊙	⊙	×	○	⊙	○	×	×	←→													TA-4UW
800	0.5% 180	30	×	○	○	○	⊙	⊙	⊙	⊙	←→													G-15TSDK

⊙: Most suitable ○: Suitable △: Slightly problematic ×: Not usable

Note 7)

