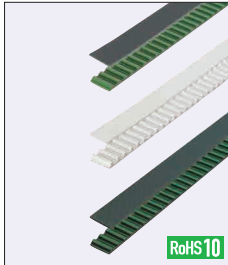


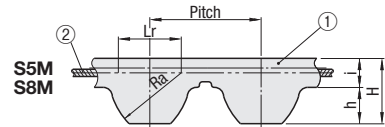
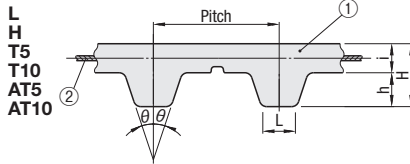
Long Timing Belts - Polyurethane

Tooth Count Configurable Jointing Process

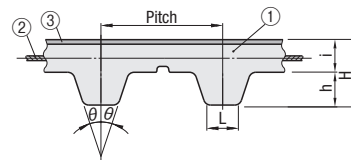
- **Features:** The belt length is selectable as desired, and suitable for a long span synchronous conveyance.
- Long Timing Belts are compatible with Timing Pulleys on **P.1393~1422**.



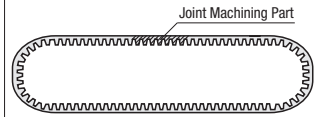
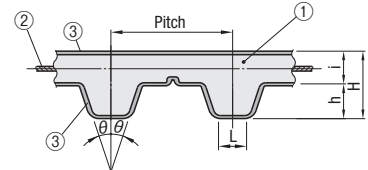
LTBJ (Standard)



LTBN (Backside Cloth Lined)



LTBR (Both Sides Cloth Lined)



- **Jointing Process**
Open ended belts are made endless by thermal bonding process.
Core wires of the joint part are not connected.

■ Features of Cloth Lined Belts

- Backside Cloth Lined: Reduces friction coefficient of conveyed items and is suitable for accumulation conveyance.
- Both Sides Cloth Lined: Reduces friction coefficient between conveyed materials and pulleys and cuts noise.

Type	Type	Material		
		① Main Body	② Core Wire	③ Cloth
LTBJ	Standard	Polyurethane (for Joint Process)	T5, T10, L, H, S5M, S8M: Aramid Core Wire AT5, AT10: Steel Cord	-
LTBN	Backside Cloth Lined			Nylon Cloth
LTBR	Both Sides Cloth Lined			Nylon Cloth

Belt Type	Pitch	2θ(°)	H	h	i	L	Unit Mass g/m (Width: 10mm)		
							Standard	Backside Cloth Lined	Both Sides Cloth Lined
L	9.525	40°	3.6	1.91	1.69	3.25	29.1	28.8	-
H	12.7	40°	4.36	2.29	2.07	4.4	36.2	33.8	-
T5	5	40°	2.2	1.2	1.0	1.8	19.0	-	20.0
T10	10	40°	4.5	2.5	2.0	3.5	37.7	34.5	32.5
AT5	5	50°	2.7	1.2	1.5	2.5	32.0	-	-
AT10	10	50°	4.5	2.5	2.0	5.0	58.6	-	-

Belt Type	Pitch	Ra	Lr	H	h	i	Unit Mass g/m (Width: 10mm)	
							Standard	Standard
S5M	5	3.25	3.25	3.31	1.81	1.5	29.0	29.0
S8M	8	5.2	5.2	5.3	2.95	2.35	45.2	45.2

⚠ Operating Temp: -20~70°C (Reference Value)

⚠ For the belt design data, see **P.2253**. For material properties, see **P.1478**.

■ Comparison of Friction Coefficient (Reference Value)

Matching Material	Tooth Surface		Back Surface	
	Cloth Lined	Standard	Cloth Lined	Standard
Steel	0.34	0.65	0.29	0.75
Stainless Steel	0.22	0.68	0.17	0.69
Aluminum	0.19	0.42	0.15	0.50
UHMWPE	0.18	0.31	0.17	0.32
Teflon	0.12	0.21	0.12	0.28

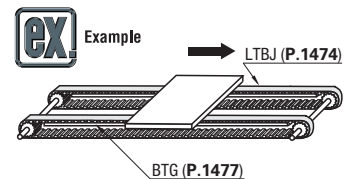
* Figures in the table are examples of actual measurement, not standard values.

Part Number			Number of Teeth Lower Limit ~ Upper Limit	Belt Width (mm)	Allowable Tension (N)	Body Price 1~5 pc(s).			Joint Process Charge (Body Price +)		
Type	Belt Type	Belt Nominal Width				LTBJ	LTBN	LTBR	Standard	Cloth Lined	
LTBJ (Standard)	L	050	74~1049	12.7	92						
		075		19.1	138						
		100		25.4	184						
		150		38.1	276						
	H	075	56~787	19.1	163						
		100		25.4	216						
		150		38.1	324						
		200		50.8	432						
	S5M	100	140~2000	10	60						
		150		15	90						
		250		25	150						
		150		15	117						
	S8M	250	88~1250	25	196						
		300		30	235						
		400		40	313						
		100		10	58						
	LTBN (Backside Cloth Lined)	T5	140~2000	150	15	87					
				200	20	116					
				250	25	145					
				150	15	180					
		T10	70~1000	200	20	240					
				250	25	300					
				300	30	360					
				400	40	481					
AT5		140~2000	100	10	74						
			150	15	110						
			150	15	234						
			200	20	312						
AT10	70~1000	250	25	391							

⚠ Overall Length: Number of Teeth x Pitch. ⚠ Kgf=Nx0.101972

⚠ For orders larger than indicated quantity, please request a quotation.

Ordering Example	Part Number			Number of Teeth
	Type	Belt Type	Belt Nominal Width	
	LTBJ	AT5	150	800
	LTBR	H	200	300



⚠ For other app. examples, see **P.1478**