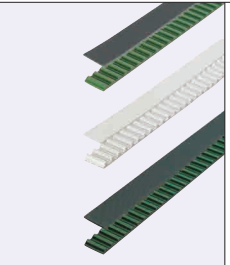


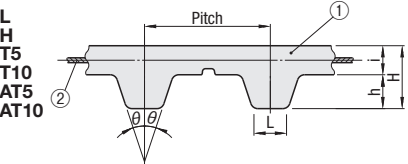
Long Timing Belts - Polyurethane

Tooth Count Configurable Jointing Process

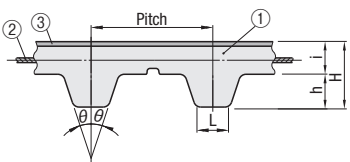
- **Features:** The belt length is selectable as desired, and suitable for a long span synchronous conveyance.
- Long Timing Belts are compatible with Timing Pulleys on  **P.1393~1422**.



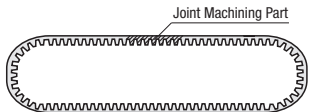
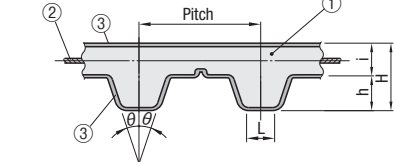
LTBJ (Standard)



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, SSM, S8M: Aramid Core Wire AT5, AT10: Steel Cord	-
LTBN	Backside Cloth Lined			-
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
SSM	5	3.25	3.25	3.31	1.81	1.5	29.0
S8M	8	5.2	5.2	5.3	2.95	2.35	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	Belt Type	Tooth Surface		Back Surface	
		Cloth Lined	Standard	Cloth Lined	Standard
Steel	LTBJ	0.34	0.65	0.29	0.75
	LTBN	0.22	0.68	0.17	0.69
	LTBR	0.19	0.42	0.15	0.50
	SSM	0.18	0.31	0.17	0.32
	S8M	0.12	0.21	0.12	0.28
	T5	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		-	-		-
	T5	150	140~2000	15	87		-	-		-
		200		20	116		-	-		-
		250		25	145		-	-		-
		150		15	180		-	-		-
	T10	200	70~1000	20	240		-	-		-
		250		25	300		-	-		-
		300		30	360		-	-		-
		400		40	481		-	-		-
	AT5	500	140~2000	50	601		-	-		-
		100		10	74		-	-		-
		150		15	110		-	-		-
		150		15	234		-	-		-
	AT10	200	70~1000	20	312		-	-		-
		250		25	391		-	-		-

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

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

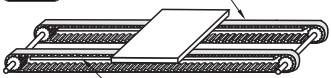


Ordering
Example

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



Example



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