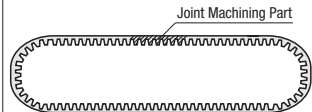


Long Timing Belts - Iron Rubber®

Tooth Count Configurable Jointing Process

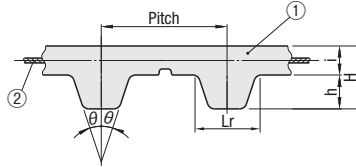
- **Features:** The belt length is selectable as desired, and suitable for a long span synchronous conveyance. The Iron Rubber Type with good allowable tension.
- Long Timing Belts are compatible with Timing Pulleys on P1391-1422.



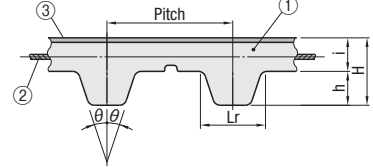
■ **Jointing Process**
Open ended belts are made endless by thermal bonding process.
Core wires of the joint part are not connected.

■ **Features of Cloth Lined Belts**
Tooth Surface Cloth Lined: Reduces friction coefficient between Pulleys and Guide Rails and cuts noise.
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.

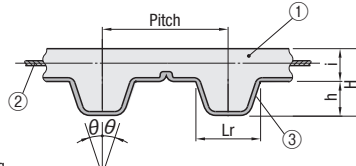
LTBJA (Standard)



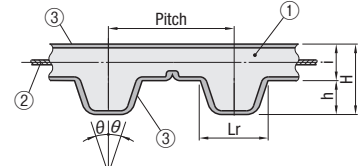
LTBNA (Backside Cloth Lined)



LTBHA (Tooth Surface Cloth Lined)



LTBRA (Both Sides Cloth Lined)



| Type | Type | Material | | |
|-------|---------------------------|----------------|----------------------------------|-------------|
| | | ① Main Body | ② Core Wire | ③ Cloth |
| LTBJA | Standard | Iron Rubber® | High Tensile Strength Steel Cord | - |
| LTBHA | Tooth Surface Cloth Lined | Iron Rubber® | High Tensile Strength Steel Cord | Nylon Cloth |
| LTBNA | Backside Cloth Lined | (Polyurethane) | High Tensile Strength Steel Cord | Nylon Cloth |
| LTBRA | Both Sides Cloth Lined | (Polyurethane) | High Tensile Strength Steel Cord | Nylon Cloth |

| Belt Type | Pitch | 2θ(°) | H | h | i | Lr | Belt Unit Mass g/m (Width:10mm) |
|-----------|-------|-------|-----|------|------|------|---------------------------------|
| XL | 5.08 | 50° | 2.3 | 1.27 | 1.03 | 2.57 | 22.0 |
| L | 9.525 | 40° | 3.6 | 1.69 | 1.91 | 4.65 | 36.2 |
| H | 12.7 | 40° | 4.3 | 2.29 | 2.01 | 6.12 | 41.7 |
| T5 | 5 | 40° | 2.2 | 1.2 | 1.0 | 2.67 | 20.8 |
| T10 | 10 | 40° | 4.5 | 2.5 | 2.0 | 5.32 | 40.0 |
| AT5 | 5 | 50° | 2.7 | 1.2 | 1.5 | - | 36.0 |
| AT10 | 10 | 50° | 4.5 | 2.5 | 2.0 | - | 60.0 |

- ⊙ Operating Temp: 0~80°C (Reference Value)
- ⊙ For the belt design data, see P2253. For material properties, see P.1478.
- ⊙ Iron Rubber® is a registered trademark of NOK Corp.

■ **Comparison of Friction Coefficient (Reference Value)**

| Matching Material | Belt Type | |
|-------------------|-------------------------------------|----------|
| | Tooth Surface, Backside Cloth Lined | Standard |
| Stainless Steel | 0.3 | 0.6 |
| Polyamide | 0.2 | 0.3 |
| UHMWPE | 0.2 | 0.3 |

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

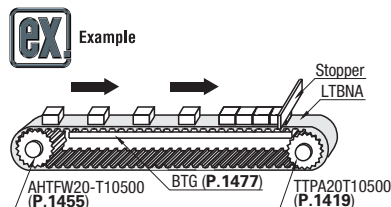
| Part Number | | | Number of Teeth Lower Limit ~ Upper Limit | Belt Width (mm) | Allowable Tension (N) | Body Price 1~5 pc(s). | | | | Joint Process Charge (Body Price +) |
|-----------------------------------|-----------|--------------------|---|-----------------|-----------------------|-----------------------|-------|-------|-------|-------------------------------------|
| Type | Belt Type | Belt Nominal Width | | | | LTBJA | LTBHA | LTBNA | LTBRA | |
| LTBJA (Standard) | XL | 025 | 118~9900 | 6.4 | 70 | - | - | - | - | |
| | | 037 | | 9.5 | 110 | - | - | - | - | |
| | | 050 | | 12.7 | 155 | - | - | - | - | |
| | L | 050 | 70~6299 | 12.7 | 320 | - | - | - | - | |
| | | 075 | | 19.1 | 480 | - | - | - | - | |
| | | 100 | | 25.4 | 640 | - | - | - | - | |
| | | 150 | | 38.1 | 950 | - | - | - | - | |
| | H | 075 | 56~3938 | 19.1 | 380 | - | - | - | - | |
| | | 100 | | 25.4 | 640 | - | - | - | - | |
| | | 150 | | 38.1 | 960 | - | - | - | - | |
| LTBHA (Tooth Surface Cloth Lined) | T5 | 100 | 120~9900 | 50.8 | 1280 | - | - | - | - | |
| | | 200 | | 10 | 110 | - | - | - | - | |
| | | 250 | | 15 | 160 | - | - | - | - | |
| | T10 | 150 | 70~5000 | 20 | 210 | - | - | - | - | |
| | | 200 | | 25 | 310 | - | - | - | - | |
| | | 250 | | 15 | 290 | - | - | - | - | |
| | | 400 | | 20 | 400 | - | - | - | - | |
| | AT5 | 150 | 140~9900 | 25 | 640 | - | - | - | - | |
| | | 200 | | 40 | 960 | - | - | - | - | |
| | | 250 | | 50 | 1280 | - | - | - | - | |
| AT10 | 100 | 70~4000 | 10 | 210 | - | - | - | - | | |
| | 150 | | 15 | 320 | - | - | - | - | | |
| | 200 | | 15 | 710 | - | - | - | - | | |
| | | 250 | | 20 | 890 | - | - | - | | |
| | | | | 25 | 1070 | - | - | - | | |

- ⊙ Overall Length: Number of Teeth x Pitch. ⊙ Kgf=Nx0.101972
- ⊙ Allowable tension shows the allowable value of tensile load.

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

Ordering Example

| Type | Belt Type | Belt Nominal Width | Number of Teeth |
|-------|-----------|--------------------|-----------------|
| LTBJA | AT5 | 150 | 800 |
| LTBRA | H | 200 | 300 |



⊙ For other app. examples, see P.1478