Precision Seamless Belt
E-Series

Flexible!
Very Thin!
Light!
Seamless!
BENEFITS OF BANDO SEAMLESS BELTS

BANDO Precision Seamless Belt Series offers a wide product range of flat belts with various advantages.

Long Service Life
- Long durability thanks to seamless manufacturing

Superior Performance
- Tension adjustment not necessary
- Superior conveying ability
- Consistent belt thickness
- High flexibility for application with small pulleys

Eco-friendly
- Thinner belt for improved flexibility
- Less torque loss

APPLICATION

BANDO Precision Seamless Belt E-Series shows its superior performance and reliability in applications as:

Cash Counting Machine
ATM
Automatic Ticket Gate

Further Applications: Amusement Equipment, Vending Machines and many more...
BANDO SOLUTIONS

BANDO Precision Seamless Belt E-Series was developed to avoid problems caused by:

- High temperatures and humid environments
- Conveying issues
- Belt damages due to flange contact

Your suitable E-Series Belt specification for reliable operation
EXL-101
Optimum conveying of bank notes through sandwiching

EXL-104
Advanced pull-and-grip feed performance for conveying bank notes

EXL-200
High performance EPDM-Specification

E-8U
Optimum conveying of paper and cards

E-8U/T
Side tracking prevention

Millable Urethane
Polyester Knit
Millable Urethane
Polyester Knit
Millable Urethane
Polyester Knit
Millable Urethane
Polyester Knit
Millable Urethane
Polyester Knit
Millable Urethane

Reliable conveying performance
Reliable in high temperatures and humid environments
Reliable without flanges or avoids belt damage caused by flanges
**PERFORMANCE BENCHMARK**

**Test Condition**

- **Pull-and-grip feed performance**
  - Banknotes
  - Belt 1
  - Belt 2
  - Shaft hub load
  - ambient temperature: 60 °C

**Crack length change after 300 h**

- **Crack length change**
  - EXL-101
  - EXL-104
  - EXL-200
  - Competitor

**Shaft load ratio change (Starting 100)**

- **Shaft load ratio change**
  - EXL-200
  - EXL-101
  - Competitor

**Power transmission capability**

- **Power transmission capacity**
  - EXL-104
  - Competitor

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**Evaluation time (h)**

- 0
- 500
- 1000
- 1500

**Pull and grip feed performance [N]**

- EXL-104
- Competitor

**Test Condition**

- ** Shaft hub load transaction [%]**
  - φ 20 x 4
  - φ 14 x 4
  - 3000 rpm
  - Elongation ratio: 10%, ambient temperature: 25 °C

- **Load cell**
  - φ 8 mm
  - Elongation ratio: 95%, ambient temperature: 60 °C

- **Belt 1**
- **Belt 2**

**Test Condition**

- **Elongation ratio**
- **ambient temperature**

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**Evaluation time (h)**

- 0
- 500
- 1000
- 1500
- 2000

**Crack length change (mm)**

- BANDO EXL (10 mm width)
- Competitor (10 mm width)

- **Belt 1**
- **Belt 2**

**Test Condition**

- **φ 8 mm**
- **φ 14 x 4**
- **φ 20 x 4**

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**Test Condition**

- **Power transmission capability**
  - EXL-104
  - Competitor

- **Elongation ratio**
- **ambient temperature**
MANUFACTURING METHOD

Prepare the tension member (knitting) and select the mold according to layout length.

Molding including outer surface rubber. Thickness requirements can be specified.

Cut belt width according to customer width requirements.
# BELT SIZE LIST

<table>
<thead>
<tr>
<th>Belt Type</th>
<th>Inner Belt Length</th>
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<tbody>
<tr>
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<td></td>
<td>106 104 100</td>
</tr>
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<td>90 85 80 75</td>
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</tbody>
</table>

* For E-8U/T (with V guide), please contact us with size requirements.
WIDE VARIETY PRODUCT LINE-UP

Ceptor VI
- Noise reduction and narrow width for use in small space

Bancollan Synchronous
- High conveyance precision and rubber dust free

Ultra Flexible Synchronous
- Optimum conveying of paper and cards

Synchronous Pulley (Resin Plastics and Metals)

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