CHUKOH FLO® BELT
GENERAL CATALOG
Laminating
The higher strength of a belt or the mixing of different materials may be required from a design perspective. Our techniques and know-how developed over the years respond to a wide range of laminating requirements from narrow to wide widths.

“Snaking” prevention
“Snaking” is one of the unavoidable problems in designing a belt line. Our True-track “snaking” prevention belt and automatic “snaking” adjustment device achieve stable and smooth belt running.

Smaller pulley diameter
The design of a belt line sometimes requires a smaller pulley diameter. In such a case, it is recommended to use the A-type and N-type belts which have a higher resistance to bending.

Various belt base materials
Chukoh Chemical Industries is well-known as one of the leading fluoropolymer fabric makers having the world’s best quality and production volume. Among a wide variety of our materials, we will select a belt base material that is best suited to your belt line.
Chukoh Flo® Belt is the top brand of fluoroplastic belts.

Cloths such as glass or aramid are coated with our fluoropolymer for making this high-performance belt. Chukoh Flo® Belt created using our techniques and know-how in fluoropolymer treatment is primarily used in the food production process, but is also suited to textiles, building materials, plastics, ceramics and many other types of manufacturing and production work.

High-quality fluoroplastic belt developed from our long experience.

Heat resistance
These resin belts are fashioned to have the highest level of heat resistant properties. At extreme low temperatures the belt also performs well, making these belts useful for a variety of uses in a very wide range of temperature exposures.

Non-adhesive quality
These resin belts have excellent non-adhesion properties. Consequently, they are ideal for use in conveyors for particularly sticky items.

Dimensional stability
Cloths such as glass or aramid of excellent machining keep the dimensions and integrity of these belts stable, even when exposed to high temperature ranges.

Conforming food sanitation act
Chukoh Flo® Belt conforms to the specification standards of utensils, containers and packages (Ordinance No.370 of the Ministry of Health, Labor and Welfare in 1959), and is meant to be used safely in the food production process.

On-site building and maintenance
Our expert staff with vast experience performs on-site building as well as timely follow-up maintenance.

Other characteristics
Excellent resistance to oils and chemicals / Light weight and with excellent durability / Less noise while running / Can be used in a microcircuit layout.
■ BGF-series
A glass cloth coated with fluoroplastic. This belt uses the G-type fabric as its base material. This standard type belt is our most versatile and employed in a wide variety of uses.

● Service temperature range: -100 to 260°C
(According to service conditions)

■ BGB-series and BGC-series
(antistatic type)
Treated by our unique electrification prevention method, this belt is ideal for use in a conveyor sensitive to static charges. There are two colors of your choice: black (BGB) and gray (BGC).

■ G-type seamless belt
Our unique manufacturing technologies have achieved this seamless belt, which is suited to severe service conditions where any slight step at a belt joining part is not acceptable.

■ Super belt
This is an all-new belt with a higher penetration resistance, smaller resistance in separation, durability and slipping characteristics than our standard products, and ideal for use in food production involving a large amount of oil, including hamburger.

■ Material configuration

![Material configuration diagram]

G-type belt
Conforming food sanitation act

■ Designation of the product number

<table>
<thead>
<tr>
<th>B</th>
<th>G</th>
<th>F - 4</th>
<th>0 0 - 6</th>
</tr>
</thead>
</table>

Nominal thickness: Displayed number x 25.4 /1000 (mm)

Cloth structure:
00: Plain weave
10: Mesh

Resin impregnation level:
3: Less than the standard
4: Standard
5: More than the standard

Color:
F: Natural
B: Black
C: Gray

Fabric type:
G: Glass
A: P-aramid
N: N-aramid
HG: Super type

Chukoh Flo® Belt

BGF-400-10

BGF-410-30

BGB-500-10

BGC-500-10
Belt characteristics

- Stress-strain curve (warp)
  - Temperature: Normal
  - Tensile speed: 2 mm/min
  - Test machine: UTM-III-500
  - BGF-500-14
  - BGF-400-35
  - BGF-500-10

- Stress-strain curve during heating
  - Test belt: BGF-500-10
  - Tensile speed: 2 mm/min
  - Test machine: UTM-III-500
  - 23°C
  - 100°C
  - 200°C

- Stress-strain curve during heating
  - Test belt: BGF-500-14
  - Tensile speed: 2 mm/min
  - Test machine: UTM-III-500
  - 23°C
  - 100°C
  - 200°C

- Stress-strain curve during heating
  - Test belt: BGF-400-35
  - Tensile speed: 2 mm/min
  - Test machine: UTM-III-500
  - 23°C
  - 100°C
  - 200°C

- Fatigue resistance in heating running and bending (warp)
  - Test belt: BGF-500-10
  - Pulley diameter: $\phi$75
  - Load: 5 kg/cm
  - Running speed: 50 m/min
  - Temperature: 200°C
  - Joining part: 25mm over-wrapping

- Fatigue resistance in heating running and bending (different pulley diameters)
  - Test belt: BGF-500-10
  - Load: 75 kg/330W
  - Running speed: 120 m/min
  - Temperature: Normal
  - $\phi$75 pulley
  - $\phi$30 pulley
### G-type belt

<table>
<thead>
<tr>
<th>Product number</th>
<th>Nominal thickness (mm)</th>
<th>Maximum width (mm)</th>
<th>Maximum length (m)</th>
<th>Weight (g/m²)</th>
<th>Tensile strength (N/cm)</th>
<th>Volume resistivity (Ω-cm)</th>
<th>Surface resistivity (Ω)</th>
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<tr>
<td>BGF-500-3</td>
<td>0.080</td>
<td>500</td>
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<td>165</td>
<td>150 90</td>
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<td>BGF-500-4</td>
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<td>BGF-400-6</td>
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<td>500 410</td>
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<td>BGF-500-10</td>
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<tr>
<td>BGF-410-18</td>
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<td></td>
<td>1800</td>
<td>485</td>
<td>520 740</td>
<td></td>
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<tr>
<td>BGF-410-20</td>
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<td>BGF-410-30</td>
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<td>470</td>
<td>350 440</td>
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<tr>
<td>BGB-500-6</td>
<td>0.130</td>
<td></td>
<td>1000</td>
<td>255</td>
<td>300 250</td>
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<td>&lt;10⁴</td>
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<tr>
<td>BGB-500-10</td>
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<td>&lt;10⁴</td>
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<td>BGB-500-14</td>
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<tr>
<td>BHGF-500-6</td>
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<td>BHGF-500-10</td>
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<td>410</td>
<td>480 430</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Other specifications are available. Please contact us.
*The above values in the table are measured values, not guaranteed.

### G-type seamless belt

<table>
<thead>
<tr>
<th>Product number</th>
<th>Nominal thickness (mm)</th>
<th>Maximum width (mm)</th>
<th>Maximum length (m)</th>
<th>Weight (g/m²)</th>
<th>Tensile strength (N/cm)</th>
<th>Volume resistivity (Ω-cm)</th>
<th>Surface resistivity (Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BGF-409-10</td>
<td>0.250</td>
<td></td>
<td>1500</td>
<td>2450 3200</td>
<td>510 390 340</td>
<td>&gt;10¹⁶</td>
<td>&gt;10¹⁴</td>
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<tr>
<td>BGF-409-12</td>
<td>0.300</td>
<td></td>
<td>1500</td>
<td>2450 3200</td>
<td>570 440 390</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BGB-409-10</td>
<td>0.250</td>
<td></td>
<td>1500</td>
<td>2450 3200</td>
<td>470 390 340</td>
<td>&lt;10⁴</td>
<td>&lt;10⁴</td>
</tr>
<tr>
<td>BGB-409-12</td>
<td>0.300</td>
<td></td>
<td>1500</td>
<td>2450 3200</td>
<td>500 440 390</td>
<td>&lt;10⁴</td>
<td>&lt;10⁴</td>
</tr>
<tr>
<td>BGC-409-10</td>
<td>0.250</td>
<td></td>
<td>1500</td>
<td>2450 3200</td>
<td>620 390 340</td>
<td>&lt;10⁴</td>
<td>&lt;10⁴</td>
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<tr>
<td>BGC-409-12</td>
<td>0.300</td>
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<td>1500</td>
<td>2450 3200</td>
<td>670 440 390</td>
<td>&lt;10⁴</td>
<td>&lt;10⁴</td>
</tr>
</tbody>
</table>

*Other specifications are available. Please contact us.
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A-type belt / K-type belt

Conforming food sanitation act

BAF-series / BKF-series
A para-aramid cloth coated with fluoroplastic. These belts use the A-type or K-type fabric as the base material. Compared with the G-type belt, these belts have a superior bending fatigue resistance and stream resistance qualities.

- Service temperature range: -100 to 200°C
  (According to service conditions)

Material configuration

Typical dimensions and properties

<table>
<thead>
<tr>
<th>Product number</th>
<th>Nominal thickness (mm)</th>
<th>Maximum width (mm)</th>
<th>Maximum length (m)</th>
<th>Weight (g/m²)</th>
<th>Tensile strength (N/cm)</th>
<th>Volume resistivity (Ω-cm)</th>
<th>Surface resistivity (Ω)</th>
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</thead>
<tbody>
<tr>
<td>BAF-500-6</td>
<td>0.110</td>
<td>900</td>
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<td>170</td>
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<td>480</td>
<td></td>
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<tr>
<td>BAF-500-8</td>
<td>0.155</td>
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<td></td>
<td>220</td>
<td>840</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>BAF-500-12</td>
<td>0.310</td>
<td></td>
<td></td>
<td>440</td>
<td>1800</td>
<td>1400</td>
<td>&gt;10^15</td>
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<tr>
<td>BKF-500-12</td>
<td>0.340</td>
<td>1950</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>BAF-500-14</td>
<td>0.350</td>
<td>1500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BAF-410-30</td>
<td>1.100</td>
<td>2100</td>
<td>100</td>
<td>415</td>
<td>1100</td>
<td>1200</td>
<td>—</td>
</tr>
</tbody>
</table>

*Other specifications are available. Please contact us.
*The above values in the table are measured values, not guaranteed.
Belt characteristics

- Stress-strain curve (warp)

- Stress-strain curve during heating

- Fatigue resistance in heating running and bending (warp)

- Fatigue resistance in heating running and bending (different pulley diameters)

- Comparison of tensile strength with the initial strength
N-type belt

Conforming food sanitation act

■ BNP-series
A meta-aramid cloth coated with fluoroplastic, this belt uses the N-type fabric as the base material. Compare with the A-type belt, the N-type belt is even more resistant to bending fatigue resistance and is meant to be used with smaller pulley diameters.

- Service temperature range: -100 to 200°C
(According to service conditions)

■ Material configuration

![Material configuration diagram]

■ Typical dimensions and properties

<table>
<thead>
<tr>
<th>Product number</th>
<th>Nominal thickness (mm)</th>
<th>Maximum width (mm)</th>
<th>Maximum length (m)</th>
<th>Weight (g/m²)</th>
<th>Tensile strength (N/cm)</th>
<th>Volume resistivity (Ω·cm)</th>
<th>Surface resistivity (Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural / Plain weave BNP-400-10</td>
<td>0.185</td>
<td>700</td>
<td>100</td>
<td>230</td>
<td>260</td>
<td>200</td>
<td>&gt;10¹⁵</td>
</tr>
</tbody>
</table>

*Other specifications are available. Please contact us. *The above values in the table are measured values, not guaranteed.

■ Stress-strain curve during heating

![Stress-strain curve during heating graph]

Test belt: BNP-400-10
Tensile speed: 2 mm/min
Test machine: UTM-III-500

23°C, 100°C, 200°C

■ Fatigue resistance in heating running and bending (different pulley diameters)

![Fatigue resistance graph]

Test belt: BNP-400-10
Temperature: Normal Running speed: 120 m/min

Φ15 pulley

Number of bending x 10⁶
This is a unique belt with the strength and pliability of rubber, and endowed with the quality of fluoroplastic. Custom built to accommodate your many uses, there are a variety of options to choose from including but not limited to color tone and composition.

**Service temperature range: -20 to 180°C**
(According to service conditions)

**Types of rubber base materials**

**NBR: Nitrile rubber type**
A white rubber material with excellent resistance to heat and oil conforms to the specification standards of utensils, containers and packages (Ordinance No.370 of the Ministry of Health, Labor and Welfare in 1959), and is meant to be used safely in the food production process.

**IIR: Butyl rubber type**
This type uses butyl rubber which of the maximum service temperature is 150°C as the base material, and can be used in conjunction with other materials (i.e. PFA film, PTFE film and G-type fabric). Excellent resistance to heat, acid and alkali is also ensured.

**CR: Chloroprene rubber type**
Well-balanced chloroprene rubber including but not limited to resistance to heat, oil and ozone is primarily used in conveyor for rubber and resin under high temperatures.

**ACM: Acryl rubber type**
This type has the highest heat resistance among the R-type belt series (Maximum service temperature: 180°C). Superior heat resistance and anti-adhesion of fluoroplastic coating allow the belt to be used in severe service conditions.

**Rough top treatment**
For BRP-series and BRT-series, belt surface roughness adjustment (Rough top) is available upon request. This ensures the ideal surface for a sloped conveyor.

*The level of roughness or evenness can be freely selected.

**Typical dimensions of R-type belt**

![Designation of a product number](image)

**Material configuration**

**BRP-series**

**Typical dimensions of R-type belt**

<table>
<thead>
<tr>
<th>Product number</th>
<th>Thickness (mm) Total</th>
<th>Thickness (mm) Surface</th>
<th>Maximum width (mm)</th>
<th>Maximum length (m)</th>
<th>Weight (g/m²)</th>
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<td>BRP-129-2</td>
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<td>0.050</td>
<td>400</td>
<td>1400</td>
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<td>1800</td>
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<td>BRP-149-2</td>
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<td></td>
<td>2200</td>
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<td>BRG-226-10</td>
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<td>0.240</td>
<td>900</td>
<td>1400</td>
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<td></td>
<td>2200</td>
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</table>

*Other dimensions are available. Please contact us.
*The product will be delivered in an endless manner, in principle. For an on-site endless treatment, please contact us.
■ CS-type (Cord support type)
Chukoh Flo® Belt equipped with a special “snaking” prevention cord on its back which runs along the groove of a pulley prevents “snaking” and achieves stable and noiseless belt running.

- **Maximum service temperature:** 200°C
- **Applicable belt width (not over 400mm)**
The CS-type belt is particularly recommended for belts with a width of not over 400mm. For the shape of a pulley, please refer to the following picture.
*For any belt with a width of over 400mm, please contact us.

**Shape of a standard pulley**

**Variation of the CS-type**

**Cord specifications of the CS-type**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>CS-A</td>
<td>Cord coated with fluoroplastic (6mm×4T)</td>
</tr>
<tr>
<td>CS-B</td>
<td>Cord impregnated by fluoroplastic (6mm×4T)</td>
</tr>
<tr>
<td>CS-C</td>
<td>Cord impregnated by fluoroplastic (4mm×4T)</td>
</tr>
</tbody>
</table>

*The values in parentheses indicate the cord size (mm).*
**PS-type (Pins support type)**

Chukoh Flo® Belt equipped with a special “snaking” prevention stainless pin on its back which runs along the groove of a pulley prevents “snaking” and achieves stable and noiseless belt running.

- **Maximum service temperature: 260°C**
- **Applicable belt width (not over 400mm)**

The PS-type belt is particularly recommended for belts with a width of not over 400mm. For the shape of a pulley, please refer to the following picture.

*For any belt with a width of over 400mm, please contact us.*

---

**Shape of a standard pulley**

![Shape of a standard pulley diagram](image)

**Variation of the PS-type**

- **Single pin**
- **Double pin**

**Belt end reinforcement**

The following arrangements are available to prevent breaks or snags at the end of a belt.

- **Fabric**
- **Fabric film**
- **Folding**

- **Laminating:** Attach fabric to the surface of a belt.
- **Covering:** Cover the end of a belt with fabric and PTFE film.
- **Folding:** Fold the end of a belt in.
### Typical belt joining methods

<table>
<thead>
<tr>
<th>Joining method</th>
<th>Joining diagram</th>
<th>Joining efficiency (%)</th>
<th>Evenness</th>
<th>On-site support</th>
<th>Special characteristics</th>
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<tbody>
<tr>
<td>Over-wrap method</td>
<td><img src="image" alt="Diagram" /></td>
<td>95</td>
<td>△</td>
<td>◯</td>
<td>It is the most popular method to ensure adequate strength, suited to lines with a high tensile load.</td>
</tr>
<tr>
<td>90°</td>
<td><img src="image" alt="Diagram" /></td>
<td>95</td>
<td>△</td>
<td>◯</td>
<td>By using an angle at the jointed area, this method improves the connection between a belt and a pulley.</td>
</tr>
<tr>
<td>45°</td>
<td><img src="image" alt="Diagram" /></td>
<td>95</td>
<td>△</td>
<td>◯</td>
<td></td>
</tr>
<tr>
<td>Bat method</td>
<td><img src="image" alt="Diagram" /></td>
<td>90°</td>
<td>◯</td>
<td>◯</td>
<td>While this method improves the evenness of a belt, it is prone to bending wear and tear.</td>
</tr>
<tr>
<td>90°</td>
<td><img src="image" alt="Diagram" /></td>
<td>Strength of material attached to the back of a joined area</td>
<td>◯</td>
<td>◯</td>
<td></td>
</tr>
<tr>
<td>45°</td>
<td><img src="image" alt="Diagram" /></td>
<td>Strength of material attached to the back of a joined area</td>
<td>◯</td>
<td>◯</td>
<td></td>
</tr>
<tr>
<td>V-ridged</td>
<td><img src="image" alt="Diagram" /></td>
<td>Strength of surface material + Strength of material attached to the back of a joined area</td>
<td>◯</td>
<td>◯</td>
<td>By using a ridged V-shaped joining, better union strength can be achieved. The joint then reinforced with over-taping.</td>
</tr>
<tr>
<td>Finger</td>
<td><img src="image" alt="Diagram" /></td>
<td>Strength of surface material + Strength of material attached to the back of a joined area</td>
<td>◯</td>
<td>◯</td>
<td>In this method, the V-shaped is maintained while slightly reducing the number of ridges. Basically, this method demonstrates the similar characteristics to the V-ridged method.</td>
</tr>
<tr>
<td>Skybar joint method</td>
<td><img src="image" alt="Diagram" /></td>
<td>95</td>
<td>△</td>
<td>◯</td>
<td>In addition to adequate strength in the joined area, this method also improves bending strength.</td>
</tr>
<tr>
<td>Over-wrap</td>
<td><img src="image" alt="Diagram" /></td>
<td>95</td>
<td>△</td>
<td>◯</td>
<td></td>
</tr>
<tr>
<td>Bat</td>
<td><img src="image" alt="Diagram" /></td>
<td>Strength of material attached to the back of a joined area</td>
<td>◯</td>
<td>◯</td>
<td>This method demonstrates a good balance between surface evenness and bending strength.</td>
</tr>
</tbody>
</table>
### Typical belt joining methods

<table>
<thead>
<tr>
<th>Joining method</th>
<th>Joining diagram</th>
<th>Joining efficiency (%)</th>
<th>Evenness</th>
<th>On-site support</th>
<th>Special characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layered method</td>
<td><img src="image1.png" alt="Layered method diagram" /></td>
<td>87</td>
<td>〇</td>
<td>〇</td>
<td>This method achieves the best surface evenness and is particularly suited for work loads which demand a smooth surface.</td>
</tr>
<tr>
<td>Wrapless joint method</td>
<td><img src="image2.png" alt="Wrapless joint method diagram" /></td>
<td>Strength of material attached to the back of a joined area</td>
<td>〇</td>
<td>〇</td>
<td>A good balance between surface evenness and bending strength, but this method may not be suited for on-site work.</td>
</tr>
<tr>
<td>Alligator method</td>
<td><img src="image3.png" alt="Alligator method diagram" /></td>
<td>Strength of the joined area</td>
<td>△</td>
<td>〇</td>
<td>This method makes on-site construction simple and is suited to sites which prone to the existence of metals.</td>
</tr>
<tr>
<td>Webbing method (Mesh type)</td>
<td><img src="image4.png" alt="Webbing method (Mesh type) diagram" /></td>
<td>33</td>
<td>〇</td>
<td>〇</td>
<td>For use with mesh belts, this method offers moderate evenness and bending strength.</td>
</tr>
<tr>
<td>Loop lacing method (Mesh type)</td>
<td><img src="image5.png" alt="Loop lacing method (Mesh type) diagram" /></td>
<td>40</td>
<td>△</td>
<td>〇</td>
<td>For use with mesh belts, this method works well even in severe on-site production situations.</td>
</tr>
<tr>
<td>Metal fastener method</td>
<td><img src="image6.png" alt="Metal fastener method diagram" /></td>
<td>Metal fastener S 30, Metal fastener L 45</td>
<td>△</td>
<td>〇</td>
<td>A metal faster is used in the loop area. This method makes on-site construction simple, the same as the loop lacing method.</td>
</tr>
</tbody>
</table>

*Joining efficiency (%) = \( \frac{\text{Joint area strength}}{\text{Material strength}} \times 100 \)
**Belt driving method**

### Pulley shape
A flat pulley is used. It is recommended to apply a rubber lining to a driving pulley especially when running loss is concerned. The thickness and hardness of a lining should be 5 to 10mm and 50 (SHORE S durometer A) respectively.

### Pulley length and belt width
It is recommended to use a pulley which is slightly longer than belt width. For the relationship between the pulley length and the belt width, please refer to the following formula. However, this is not applicable to the True-track pulley.

\[ P = 1.13(B + 5) \]

*P*: Pulley length (mm)  \*B*: Belt width (mm)

### Belt thickness and pulley diameter
The relationship between the pulley diameter and the belt thickness needs to be taken into consideration to ensure correct conduction and the lifetime of the belt. For the design of a driving pulley, please refer to the following table.

<table>
<thead>
<tr>
<th>Minimum driving pulley diameter</th>
<th>Belt width</th>
<th>6~300</th>
<th>301~760</th>
<th>761~1500</th>
<th>1501~2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt thickness</td>
<td>0.120~0.250</td>
<td>75</td>
<td>155</td>
<td>205</td>
<td>255</td>
</tr>
<tr>
<td></td>
<td>0.280~0.490</td>
<td>155</td>
<td>155</td>
<td>205</td>
<td>255</td>
</tr>
<tr>
<td></td>
<td>0.510~0.640</td>
<td>205</td>
<td>205</td>
<td>205</td>
<td>255</td>
</tr>
<tr>
<td></td>
<td>0.660~</td>
<td>350</td>
<td>350</td>
<td>350</td>
<td>350</td>
</tr>
</tbody>
</table>

*The G-type with Ø75 or less may be prone to bending fatigue.*

### Driving method
The single driving method is most commonly used, some of which are shown below.

### Belt support device
There are two types of belt support devices, carrier roller support method and plate support method, either of which should be selected according to the weight and shape of the job, misalignment during transport and other related factors. (The plate support method is primarily used for lightweight. It is recommended to apply a lining with the G-type adhesion tape, when using the plate support method.)

### Tension device
Tensile force needs to be applied continuously for stable belt running, where the take-up becomes of importance. The following three types of take-ups are available, any of which should be selected according to the service conditions.

### Recommended tensile force
While the tensile force of a belt is generally designed to be 1/10 of that of the material of the joined area, it is recommended to use a belt with the tensile force of not over 10 N/cm.

Especially for the G-type, use beyond the recommended tensile force may reduce the lifetime of a belt as well as cause wrinkles and folding.

Tensile force varies according to the belt width and the specifications of the joined area. For details, please contact us.
**About belt “snaking”**
Since there is little stretching in our fluoroplastic belts, they may cause “snaking”, the degree of which varies according to the use and size. The relationship between the movement of a pulley and a belt is illustrated below for your reference.

**Differences in belt movement according to stretching**
Due to little stretching in a fluoroplastic belt, when tensile force is applied from a pulley on one side, it will move in the opposite direction (to relieve the tensile force applied).

**Relationship between belt movement and pulley adjustment**
1. Movement in the case of open suspension. Please refer to the above diagram.
2. Movement with a snap pulley
   a) Adjustment according to the degree of parallelism
      When adjusting the degree of parallelism of a snap pulley, a belt will move in the direction of the arrows.
   b) Adjustment according to the levelness of a roller
      When adjusting the levelness of a roller, a belt will move in the direction of the arrows.

**Automatic “snaking” adjustment device**
At Chukoh, we design and manufacture “anti-snaking” devices exclusively for fluoroplastic belts, which can be solely designed to meet your belt specifications and use conditions. *Recommended for belts with a width of over 500mm.*

**True-track system**
We offer two types of the True-track system, the cord support type and the pin support type. Both types can prevent belt “snaking” only by adding grooves in a pulley. Any additional equipment will not be required in particular. *Recommended for belts with a width of not over 400mm.*
Heat-seal
- Heat seal for polyethylene, cellophane and other plastic films
- Continuous tube-seal for poly foil, poly paper and poly lamination, and transportation
- Heat-seal packaging machinery for candy, bread, cigarettes, bakery products and other daily commodities

Anti-adhesion
- Conveyor for vinyl paints, glues and spray paints
- Foam rubber production process
- Drying varnished paper
- Casting process of plastic films and rubber sheets
- Press conveyor for adhesive cores

Heat treatment
- Hot blast furnace for electrical parts
- Heat treatment of synthetic fibers and strings
- Baking process of resins, inks and pigments
- Vulcanization process of synthetic rubber belts for high tensile
- Conveyor for packaged goods in a shrink tunnel

Plastic processing
- Transport and after-treatment process of molded goods such as PVC sheets
- Laminating process of heat-hardened resins
- Embossing process of PVC films
- Curing process of PCBs
- Conveyor for styrene foam and other heat-molded plastic products

High frequency
- High frequency drying process
- High frequency treatment of candy, fruits and other food

Others
- Paper feeding for photocopiers
- Manufacturing and defreezing of frozen food
- Weighing and transport of grinding materials
Chukoh Belt Corporation is currently supplying fluoroplastic belts manufactured by Chukoh Chemical Industries, Ltd.

The product lineup of Chukoh Chemical Industries, Ltd. covers not only fluoroplastic belts but also fluoroplastic tubes, silicon coating sheets for airbags and other products.

Sales offices (Chukoh Belt)

Plants (Chukoh Chemical Industries)

Matsuura Plant
(Manufacturing of belt basic materials and belts)

Utsunomiya Plant
(Manufacturing of tubes)

SC Plant
(Manufacturing of silicon coating base materials)

Nagoya Sales Office

Osaka Head Office
Osaka Sales Office

Tokyo Sales Office

Offices and plats

■ Matsuura Plant (Manufacturing of belt basic materials and belts)
200 Shioiri, Hiraomen, Tsukinokawa-cho, Matsuura-city, Nagasaki-prefecture

■ Utsunomiya Plant (Manufacturing of tubes)
990-13 Fukahodo, Kanuma-city, Tochigi-prefecture

■ SC Plant (Manufacturing of silicon coating base materials)
851-46 Shimomen, Tsukinokawa-machi, Matsuura-city, Nagasaki-prefecture
Questions about our products

If you have any questions about our products, please feel free to contact us.
email: support-belt@chukoh.co.jp

Warnings!

● Do not use the products for any applications involving contact with the human body such as medical use.
● Dispose the products in compliance with applicable laws and regulations. Never burn the products.
● Do not use the products beyond the maximum service temperature.
● Carefully read the catalogue, safety data sheet (MSDS) and fluoroplastic instruction manual in order to ensure how the products works and is used properly.

URL http://www.chukoh-belt.co.jp/