State-of-the-art
Shoe press belt technology

yamabelt.

SUITABLE FOR ANY TYPE OF SHOE PRESSES

Heimbach – wherever paper is made.
Yamabelt. product specifications at a glance

As a solely appointed representative of Yamauchi shoe press belts in Europe, Middle East and parts of Asia, Heimbach offers you a wide variety of belt designs suitable to run in any shoe press position.

Yamabelt. is made of a three layer multifilament base element fully embedded in advanced polyurethane (PUR), which has a substantial higher wear resistance and mechanical strength than any other conventional PUR.

Over the last few years, Yamauchi focused on researching of a new advanced PUR material to gain further mechanical resilience and higher life potential of yamabelt. As a result, Yamauchi developed the state-of-the-art “SUPER 95” PUR material:

- excellent mechanical wear resistance
- optimised groove shape stability
- higher void volume retention
- improved chemical resistance
- enhanced mechanical resilience to prevent cracking and chipping

Main Specifications

<table>
<thead>
<tr>
<th>Inner Diameter:</th>
<th>1100 – 2020 mm</th>
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<tbody>
<tr>
<td>Belt Width:</td>
<td>up to 13 m</td>
</tr>
<tr>
<td>Caliper:</td>
<td>approx. 5 mm</td>
</tr>
<tr>
<td>Material:</td>
<td>Advanced PUR (hardness 90 to 95°; shore A)</td>
</tr>
</tbody>
</table>

Standard Designs

**Standard grooved design:**
- Caliper: approx. 5 mm
- Hardness: Top Side: 95°
  - Shoe Side: 90° – 93°

**Plain design:**
- Caliper: approx. 4 mm
- Hardness: Top Side: 90°
  - Shoe Side: 90° – 93°

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![Diagram showing cracking test result x 10000 times](image)

Cracking test result x 10000 times

<table>
<thead>
<tr>
<th>95°A</th>
<th>93°A</th>
<th>Super 95</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>300</td>
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<td>700</td>
<td>800</td>
</tr>
<tr>
<td>900</td>
<td>1000</td>
<td></td>
</tr>
</tbody>
</table>

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![Diagram showing bending cycles (x 10000)](image)
Yamabelt. – State-of-the-art technology

With its long and profound experience as roll cover and shoe press belt manufacturer, Yamauchi has developed a sophisticated grooving technology to ensure high and even dewatering as well as excellent void volume retention.

Variety of groove designs
Yamauchi developed a wide variety of groove designs in order to apply the most efficient belt design for every individual shoe press position. The standard grooved SG-Type for example is mainly applied for backsplash sensitive positions. The interrupted groove design (UR-Type and SR-Type) provides an alternative option to reduce nip rejection.

In addition to the basic designs, yamabelt. can be furnished with special radius-bevelled shaped grooves (SRR-Type and URR-Type) or the well-proven chamfer-bevelled shaped grooves (URC-Type) according to individual position related demand.

Special design advantages
- Higher cracking resistance
- Low chipping tendency
- High dimensional stability
- Stable production conditions
- Improved dewatering capacity