Endless Woven AmSqueeze Belts for Separating

Especially in the food industry products are being refined or recovered. In this industry some primary products such as carcasses, fat, meat, bones are separated with separator machines.

Ammeraal Beltech offers a flexible squeezing belt for these heavy applications.

Typical industries
• Meat & poultry
• Fish
• Fruit & vegetables
• Other industries: cheese, sausage, butter, tooth paste and chemicals

Belt features
• Rigid belt construction
• Easy to clean surface
• Wear resistant covers
• Different profiles available
• Food Grade (EC, FDA)

Benefits
• Non-cracking covers
• High yield
• Improved lifetime
• Less waste
Food Safety technology

A separating machine is designed to separate soft and solid components, e.g. meat from bones.

A separator belt transports product to a perforated drum and squeezes the softer material through the perforation. The harder particles remain outside the drum.

This continuous process ensures a smooth separation:
» in the meat industry;
» in the fish industry;
» for fruit and vegetables processing:
refining of juice and puree;
» in waste disposal and recycling of e.g. cheese, sausage, butter, tooth paste, chemicals etc.

Product benefits:
• Non-delaminating Food Grade belt covers on special designed endless woven fabric without seam.
• The topside of the belt is provided with profile A93 Rhombus for optimum grip and cleanability. Other profiles, e.g. A24 Herringbone, A18 Fine Square are available.
• The polyurethane belt covers ensure wear resistance and a long belt life.
• Completely sealed belt edges offer optimal hygiene conditions.
• Extended experience with belts for various brands of separator machinery.

Diagram of the separating process

Example of Seamless Endless Woven Separator Belts

<table>
<thead>
<tr>
<th>Belt type</th>
<th>AmSqueeze 300</th>
<th>AmSqueeze 500</th>
<th>AmSqueeze 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example Article description</td>
<td>AS 314 A93-A93</td>
<td>AS 514 A93-A93</td>
<td>AS 714 A93-A93</td>
</tr>
<tr>
<td>Top cover material</td>
<td>TPU 3 mm Ropanyl 76 (Shore A) FG</td>
<td>TPU 3 mm Ropanyl 85 (Shore A) FG</td>
<td>TPU 3 mm Ropanyl 93 (Shore A) FG</td>
</tr>
<tr>
<td>Top cover color</td>
<td>Ivory</td>
<td>Transparent</td>
<td></td>
</tr>
<tr>
<td>Standard finish covers</td>
<td>A93 Rhombus profile</td>
<td>A93 Rhombus profile</td>
<td>A93 Rhombus profile</td>
</tr>
<tr>
<td>Standard belt thickness</td>
<td>13,4 mm</td>
<td>13,4 mm</td>
<td>13,4 mm</td>
</tr>
<tr>
<td>Other available belt thickness</td>
<td>15,16,17,18,19,20 mm</td>
<td>15,16,17,18 mm</td>
<td>15,16,17,18 mm</td>
</tr>
<tr>
<td>Grip</td>
<td>++++</td>
<td>+++</td>
<td>+++</td>
</tr>
<tr>
<td>Wear resistance</td>
<td>+++</td>
<td>++++</td>
<td>++++</td>
</tr>
<tr>
<td>Yield</td>
<td>++++</td>
<td>+++</td>
<td>+++</td>
</tr>
<tr>
<td>Food Grade</td>
<td>EC/FDA</td>
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</tr>
<tr>
<td>Indication application</td>
<td>Soft</td>
<td>Medium</td>
<td>Hard</td>
</tr>
<tr>
<td>Replaces</td>
<td>Rubber</td>
<td>PU</td>
<td>PU hard</td>
</tr>
</tbody>
</table>

Consult our application engineers and product information for other options | A questionnaire for belt selection is available

Tolerance on length ±1% Width -0/+2 mm | Closed edges skived