RAPPLON® Polyurethane based Flat Belts for the Logistics Industry
RAPPLON® High Performance Flat Belts are available in a wide selection of belting solutions for all types of roller drive systems, delivering excellent performance under conditions that may include wide temperature variations, fully loaded stops and starts, incline and decline sections and other operational or environmental challenges.

Application Areas:
- Receiving
- Order Picking Solutions
- Sortation
- Consolidation and Dispatch
- Storage areas

Click here for more information!
Black Roller Drive Belts
- Maximum uptime and reliability thanks to the excellent splicing procedure

Designed for heavy loads and long transport sections, our Heavy Duty Roller Drive Belt is made with a strong Aramid tensile member to cope with the strain. The belt design, featuring an extremely wear-resistant Polyurethane cover material, allows accumulation and is low on energy consumption due to its remarkable flexibility.

With Fabric tensile members and Polyurethane cover material, the Light Roller Drive Belts are available in standard thicknesses, starting from 1.6 mm up to 4.5 mm. The belts are impervious to moisture and have excellent dimensional stability, ensuring efficiency and consistency over a long service life.

Discover the Heavy Duty Roller Drive Belt benefits:

Polyurethane cover:
- Wear- and abrasion-resistant cover material for long service life
- Allows accumulation

Aramid tensile member
- Strong Aramid tensile member fabric to cope with heavy loads
- Fabric design instead of cords which prevents cords coming loose and wrapping around pulleys
- Insensitive to climatic fluctuations and moisture, dimensional stable – no re-tensioning necessary
- Belt lays flat thanks to unique design and extra rigidity along aramid fabric tensile member
- Low energy consumption due to high flexibility
- Universal design compatible with major Heavy Duty Live Roller OEM equipment

QuickSplice joining method
- Excellent splice characteristics for a fast and reliable joining process
- Compatible with your legacy popular splicing equipment and even allows for a modern finger geometry for hassle free splicing
- Fabric design allows for mechanical fasteners

Quality guaranteed by the RAPPLON® brand!
Elastic Belts for Segmented Conveyors and Robots
- Our *fit-and-forget* solution for a wide range of applications in intralogistics and robotics

Made from extruded Polyurethane, our fit-and-forget solution allows for simplified conveyor design where no take-up system is required. The Elastic Belts are the ideal solution for slider bed applications or segmented belt-over-roller conveyors and our 54564 UU N06 RFQ HG is even suitable for slight incline/decline sections thanks to its high-grip top cover.

The new Elastic Segmented Belts can run bi-directionally and are extremely energy efficient, making them the ideal solution for AGV robot load-carriers, enabling next generation logistics robots to load or unload goods in advanced fulfilment centres or warehouses.

**Completely made from extruded Polyurethane:**
- No edge fraying as there is no fabric
- Easy cleanability

**High elastic Polyurethane:**
- No edge fraying as there is no fabric reinforcement
- Less load on shafts and bearings
- Simple tracking

**QuickSplice belts - main Features:**
- Uniform belt thickness over joint area
- Fast replacement
- No running direction to be observed
- High strength possible, even with small pulley diameter
- Failure-free joining system
- Shorter take-ups
- Permanently antistatic

“A simple and reliable splicing process which can be performed under 15 minutes with RAPPLON® QuickSplice tools. Half the time compared to similar systems from competitors”. (statement by Customers, after testing the QuickSplice tool)
## Belts selection
- Technical data, features and benefits

<table>
<thead>
<tr>
<th>Items</th>
<th>Description</th>
<th>Thickness [mm]</th>
<th>Tensile strength N/m</th>
<th>Tension member</th>
<th>Min. pulley diam. [mm]</th>
<th>Friction top/bottom</th>
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</thead>
<tbody>
<tr>
<td><strong>RAPPLON® Roller Drive Belts</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>54567</td>
<td>UU A80.45 RRQ</td>
<td>4.50</td>
<td>80.0 at K1%</td>
<td>Aramid fabric</td>
<td>150</td>
<td>medium/medium</td>
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<td>54568</td>
<td>UU E15.16 RFQ</td>
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<td>15.0 at K1%</td>
<td>Polyester fabric</td>
<td>20</td>
<td>medium/medium</td>
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<tr>
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<td>UU E15.20 RFQ</td>
<td>2.00</td>
<td>15.0 at K1%</td>
<td>Polyester fabric</td>
<td>25</td>
<td>medium/medium</td>
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<tr>
<td>54762</td>
<td>UU E15.30 RFQ</td>
<td>3.00</td>
<td>15.0 at K1%</td>
<td>Polyester fabric</td>
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<td>medium/medium</td>
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<tr>
<td>54763</td>
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<td>18.0 at K1%</td>
<td>Polyester fabric</td>
<td>25</td>
<td>medium/medium</td>
</tr>
<tr>
<td>54764</td>
<td>UU E18.30 RRQ</td>
<td>3.00</td>
<td>18.0 at K1%</td>
<td>Polyester fabric</td>
<td>30</td>
<td>medium/medium</td>
</tr>
<tr>
<td><strong>RAPPLON® Elastic Belts</strong></td>
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<td></td>
</tr>
<tr>
<td>54573</td>
<td>TT N20 FQ</td>
<td>1.25</td>
<td>2.0 at K6%</td>
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<td>20</td>
<td>low/low</td>
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<tr>
<td>54572</td>
<td>TU N20 FQ</td>
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<td>2.0 at K6%</td>
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<td>54771</td>
<td>UU N06 RFQ</td>
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<td>0.6 at K6%</td>
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<td>6</td>
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<td>54564</td>
<td>UU N06 RFQ HG</td>
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<td>0.6 at K6%</td>
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<td>1.2 at K6%</td>
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<td>None</td>
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<td>medium/medium</td>
</tr>
</tbody>
</table>

In addition, we also provide a wide range of rubber covered Roller Drive and Elastic Belts offering high coefficient of friction.

### Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Advantages</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RAPPLON® Roller Drive Belts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High modulus Aramid and Polyester fabric tensile member</td>
<td>Extremely flexible</td>
<td>Lowest energy consumption</td>
</tr>
<tr>
<td></td>
<td>No elongation</td>
<td>No re-tensioning necessary</td>
</tr>
<tr>
<td>Polyurethane covers</td>
<td>Abrasion-resistant and wear-resistant</td>
<td>Extended service life</td>
</tr>
<tr>
<td>No elongation, dimensional stable</td>
<td>No re-tensioning necessary</td>
<td>Just fit-and-forget</td>
</tr>
<tr>
<td>Sophisticated belt design</td>
<td>Great performance on all equipment</td>
<td>Lowest energy consumption</td>
</tr>
<tr>
<td>Antistatic</td>
<td>Prevents accumulation of dust</td>
<td>Greatest possible efficiency</td>
</tr>
<tr>
<td>QuickSplice</td>
<td>Quick and simple splicing with QSP-Tools</td>
<td>Safe joint, perfectly aligned, everybody can splice</td>
</tr>
<tr>
<td>E-RappCalc® Calculation System</td>
<td>Calculates best performing belt</td>
<td>Best performance at lowest cost</td>
</tr>
<tr>
<td><strong>RAPPLON® Elastic Belts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyurethane covers</td>
<td>Abrasion-resistant and wear-resistant</td>
<td>Extended service life</td>
</tr>
<tr>
<td>Fabric covers</td>
<td>Extremely low coefficient of friction and wear-resistant</td>
<td>Running over slider belts made from all kind of material</td>
</tr>
<tr>
<td>High elasticity</td>
<td>Low load on shafts and bearings</td>
<td>Extended lifetime of bearings</td>
</tr>
<tr>
<td>No elongation, dimensional stable</td>
<td>No re-tensioning necessary</td>
<td>Just fit-and-forget</td>
</tr>
<tr>
<td>High Grip cover (54564)</td>
<td>High coefficient of friction</td>
<td>Ensures high process speed</td>
</tr>
<tr>
<td>Antistatic</td>
<td>Prevents accumulation of dust</td>
<td>Greatest possible efficiency</td>
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<tr>
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Expert advice, quality solutions and local service for all your belting needs

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