Roller drive systems can be found everywhere— in logistics, in warehousing, in manufacturing and in the food industry. They are used for a wide variety of functions, from linking up different production processes to moving finished goods. Roller drive systems can reduce energy consumption and overall costs. They keep operations flowing smoothly, often while contending with difficult factors such as fully loaded stops and starts, temperature variations, and prolonged exposure to oil, grease and dirt.

A high-quality roller drive system will be able to overcome these difficulties and deliver non-stop efficient performance. The RAPPLON range of high-performance flat belts comes with the Ammeraal Beltech reputation for operational reliability and around-the-clock onsite service. What’s more, our QuickSplice belts make belt replacement faster and easier than ever, reducing your downtime to a minimum.

Roller drive systems

There are three main types of live roller conveyor systems:

- **Continuous running**, where goods don’t stop on the conveyor. This system requires good grip on both the drive motor shaft and the rollers. XNBR rubber is often used on both sides of the belt, ensuring maximum power transfer.

- **Low or minimum pressure accumulation**, where the belt is pressed against the carrying rollers. When goods accumulate, pressure is reduced, the carrying rollers stop but the belt continues to run. The belt surface touching the rollers must be able to slip over them in this ‘stop’ phase but still have sufficient friction to drive them again when full pressure is reapplied.

- **Zero pressure accumulation**, where the pressure rollers move up and down to engage and disengage the belt from contact with the carrying rollers. As the drive belt does not come into contact with the carrying rollers during accumulation, friction covers can be used on both sides.

RAPPLON® Belts Customer Benefits

RAPPLON® QuickSplice belts with Polyester fabric as tension member:

- Fast and easy replacement, saving expensive downtime
- Failure-free joining, to keep the line rolling
- Uniform belt thickness over joint area for perfect after-splice performance
- No observable running direction
- High-strength option, even with small pulley diameters
- Impervious to moisture, for all-condition performance
- Dimensional stability, for efficiency and durability
- Permanently anti-static

RAPPLON® Classic High-Performance Flat Belts with PA-foil as tension member:

- Capable of handling heavy loads and high torque
- Permanently anti-static
- No tracking guides required
# Selection Guide for the RAPPLON® Roller Drive Range

## Technical Data for RAPPLON® Roller Drive Flat Belts

<table>
<thead>
<tr>
<th>Article number</th>
<th>Belt Type</th>
<th>Belt thickness in mm</th>
<th>Belt factor at 1% in N/mm</th>
<th>Min. Pulley diameter at 20°C in mm</th>
<th>Material Tension member</th>
<th>Friction top/bottom</th>
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## RAPPLON® Quicksplice Flat Belts

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## The right choice

We can help you choose the right belts for all your roller drive applications. To find exactly what you need, contact your nearest Ammeraal Beltech agent, and let us also tell you about our **E-RappCalc® Online Calculation Tool**, for easy and accurate dimensioning of your new RAPPLON® Flat Belt.

Please contact your nearest Ammeraal Beltech agent and complete our questionnaire. We will supply you the optimal belt for your system.
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