

New RAPPLON® HPFB for the Logistics Industry



BLACK BELT IN BELTING!



New **Black** Roller Drive Belts and Segmented Belts

RAPPLON® High Performance Flat Belts are available in a wide selection of belting solutions for all types of roller drive and slider bed applications. RAPPLON® belts deliver 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.

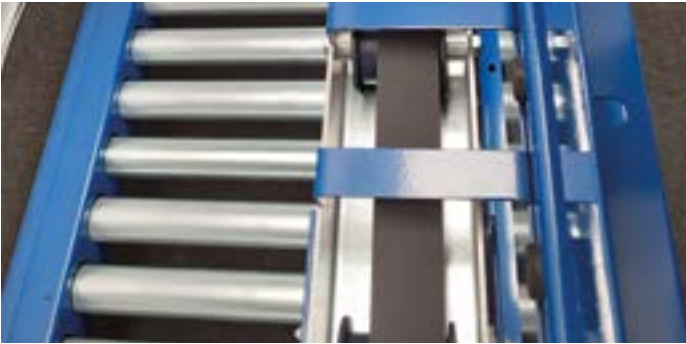
Application Areas:

- Receiving
- Order Picking Solutions
- Sortation
- Consolidation and Dispatch
- Storage areas

[▶ Click here to watch the video!](#)

New Black Roller Drive Belts

- Maximum uptime and reliability thanks to the excellent splicing procedure



Designed for heavy loads and long transport sections, our new **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.



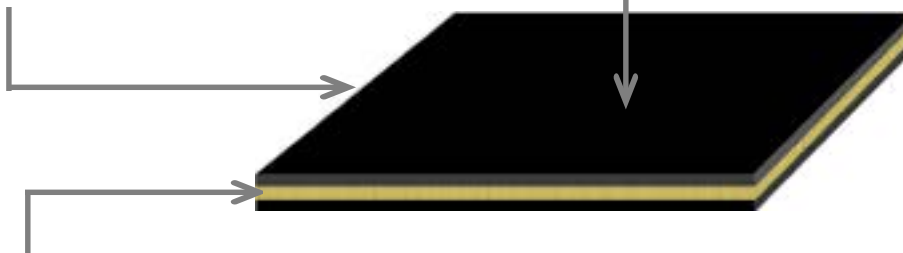
With Fabric tensile members and Polyurethane cover material, the new **Light Roller Drive Belts** are available in standard thicknesses, starting from 1.6 mm up to 4.5 mm. The belts are impervious to moisture and have excellent dimensional stability, ensuring efficiency and consistency over a long service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

Discover the new Heavy Duty Roller Drive Belt benefits:

Polyurethane cover:

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

Rough structure on both sides to offer firm grip



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

Splicing 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!

New Elastic Belts for Segmented conveyors

- Our *fit-and-forget* solution for a wide range of applications in intralogistics and robotics



Made from extruded Polyurethane with a high-grip top cover, our fit-and-forget solution allows for simplified conveyor design where no take-up system is required. The new Elastic Belt – **54564 UU N06 RFQ HG** – is the ideal solution for slider bed applications or segmented belt-over-roller conveyors and is even suitable for slight in/de-cline sections thanks to its high-grip textured profile 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 fulfillment centers 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

High-grip top surface

Anti-static coating



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 anti-static



"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)



Punching



Preparation



Heating



Cooling

~ 15 min

Belts selection

- Technical data, features and benefits

Item	Description	Thickness [mm]	Tensile strength N/mm (K1%)	Tension member	Min. pulley diam. [mm]	Friction top/bottom
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Rapplon® Roller Drive Belts

54567	UU A80.45 RRQ	4.50	80	Aramid fabric	150	medium/medium
54568	UU E15.16 RFQ	1.60	15	Polyester fabric	20	medium/medium
54765	UU E15.20 RFQ	2.00	15	Polyester fabric	25	medium/medium
54762	UU E15.30 RFQ	3.00	15	Polyester fabric	30	medium/medium
54763	UU E18.20 RRQ	2.00	18	Polyester fabric	25	medium/medium
54764	UU E18.30 RRQ	3.00	18	Polyester fabric	30	medium/medium

Rapplon® Elastic Belts

54564	UU N06 RFQ HG	1.10	0.6 at K6%	None	15	high/medium
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Features	Advantages	Benefits
High modulus Aramid and Polyester fabric tensile member	Extremely flexible No elongation Dimensionally stable	Lowest energy consumption No re-tensioning necessary Just fit-and-forget
Polyurethane covers	Abrasion-resistant and wear-resistant	Extended service life Highly efficient
High Grip cover*	High coefficient of friction	Ensures high process speed
Energy saving belt design	Great performance on all equipment	Lowest energy consumption
High elasticity*	Low load on shafts and bearings	Extended lifetime of bearings
Anti-static	Prevents accumulation of dust	Greatest possible efficiency
QuickSplice	Quick and simple splicing with QSP-Tools	Safe join, perfectly aligned, everybody can splice
E-RappCalc® Calculation System	Calculates best performing belt	Best performance at lowest cost

* Elastic belt

E-RappCalc®



Easy and accurate dimensioning online

- Power transmission, tangential and roller drives can be calculated
- No guess work – easy calculation with E-RappCalc®
- No black box – calculation steps can be clearly followed
- Clear recommendation for the most suitable belt and the reason why
- Precise instructions regarding belt tension for the on-site fitting staff

To find exactly what you need, please [contact us!](#)

Locations in the Americas

...and find your local distributor at ammeraalbeltech.com

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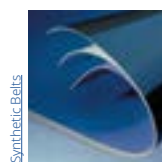
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**Expert advice and quality solutions
for all your belting needs.**



Synthetic Belts



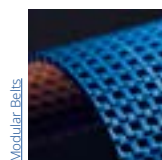
Engineered Belts



Endless Woven Belts



Homogeneous Belts



Modular Belts



Steel & Plastic Chain



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