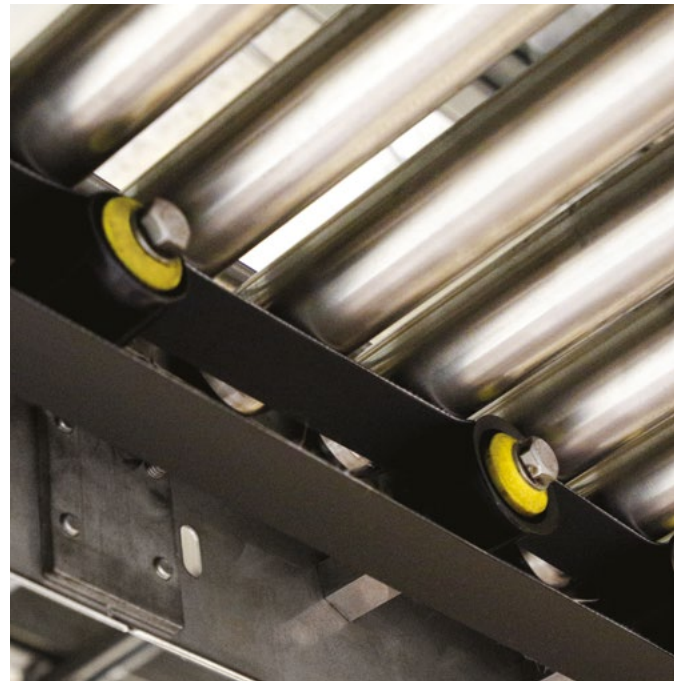


RAPPLON® Polyurethane based Flat Belts for the Logistics Industry



BLACK BELT IN BELTING!

Smooth Drive - High Speed - Superior Performance



Roller Drive, Elastic and Segmented Belts

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.

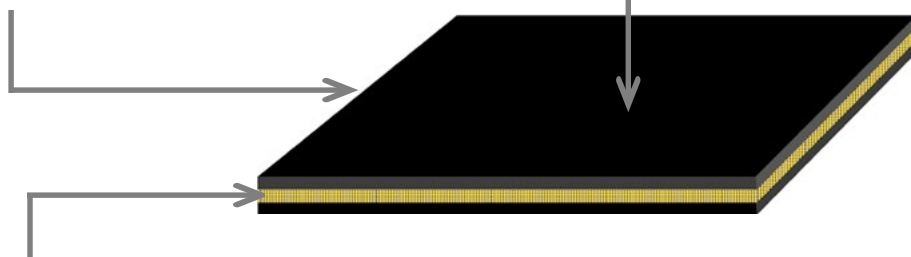
With Fabric tensile members and Polyurethane cover material, the **Light Roller Drive Belts** are available in standard thicknesses, starting from 1.6 mm up to 4.5 mm. The belts are impervious to moisture and have excellent dimensional stability, ensuring efficiency and consistency over a long service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

Discover the Heavy Duty Roller Drive Belt benefits:

Polyurethane cover:

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

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

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!

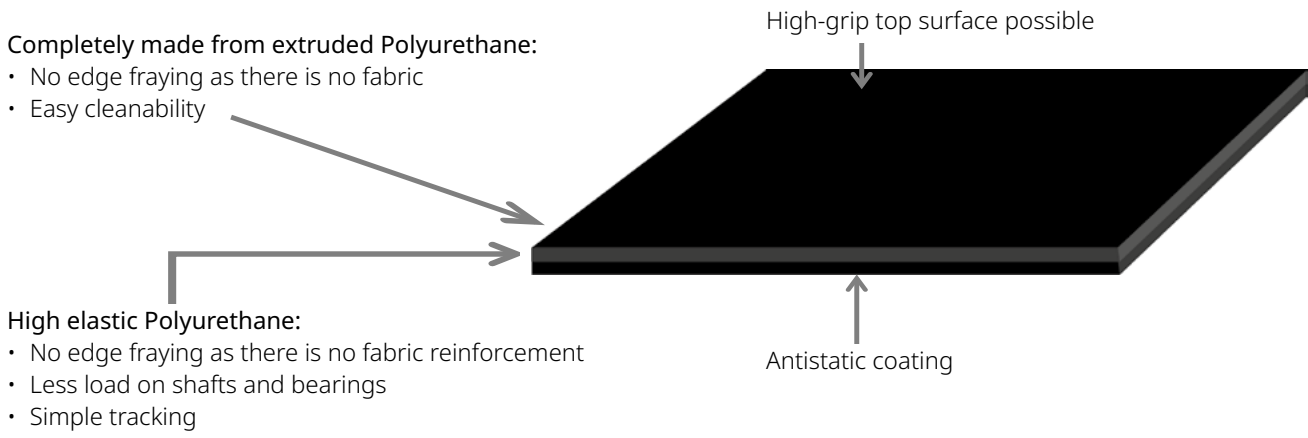
Elastic Belts for Segmented Conveyors and Robots

- 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.

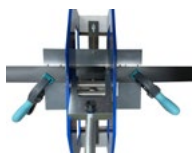


QuickSplice belts - main Features:

- 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)



Punching



Preparation



Heating



Cooling

~ 15 min

Belts selection

- Technical data, features and benefits

Items	Description	Thickness [mm]	Tensile strength N/m	Tension member	Min. pulley diam. [mm]	Friction top/bottom
RAPPLON® Roller Drive Belts						
54567	UU A80.45 RRQ	4.50	80.0 at K1%	Aramid fabric	150	medium/medium
54568	UU E15.16 RFQ	1.60	15.0 at K1%	Polyester fabric	20	medium/medium
54765	UU E15.20 RFQ	2.00	15.0 at K1%	Polyester fabric	25	medium/medium
54762	UU E15.30 RFQ	3.00	15.0 at K1%	Polyester fabric	30	medium/medium
54763	UU E18.20 RRQ	2.00	18.0 at K1%	Polyester fabric	25	medium/medium
54764	UU E18.30 RRQ	3.00	18.0 at K1%	Polyester fabric	30	medium/medium

RAPPLON® Elastic Belts						
54573	TT N20 FQ	1.25	2.0 at K6%	None	20	low/low
54572	TU N20 FQ	1.25	2.0 at K6%	None	20	medium/low
54771	UU N06 RFQ	0.80	0.6 at K6%	None	6	medium/medium
54564	UU N06 RFQ HG	1.10	0.6 at K6%	None	15	high/medium
54772	UU N12 RFQ	1.15	1.2 at K6%	None	15	medium/medium
54775	UU N12 RRQ F1	1.15	1.2 at K6%	None	15	medium/medium
54773	UU N22 RFQ	1.85	2.2 at K6%	None	25	medium/medium

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

Features	Advantages	Benefits
RAPPLON® Roller Drive Belts		
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
No elongation, dimensional stable	No re-tensioning necessary	Just fit-and-forget
Sophisticated belt design	Great performance on all equipment	Lowest energy consumption
Antistatic	Prevents accumulation of dust	Greatest possible efficiency
QuickSplice	Quick and simple splicing with QSP-Tools	Safe joint, perfectly aligned, everybody can splice
E-RappCalc® Calculation System	Calculates best performing belt	Best performance at lowest cost
RAPPLON® Elastic Belts		
Polyurethane covers	Abrasion-resistant and wear-resistant	Extended service life Highly efficient
Fabric covers	Extremely low coefficient of friction and wear-resistant	Running over slider belts made from all kind of material
High elasticity	Low load on shafts and bearings	Extended lifetime of bearings
No elongation, dimensional stable	No re-tensioning necessary	Just fit-and-forget
High Grip cover (54564)	High coefficient of friction	Ensures high process speed
Antistatic	Prevents accumulation of dust	Greatest possible efficiency
QuickSplice	Quick and simple splicing with QSP-Tools	Safe joint, perfectly aligned, everybody can splice

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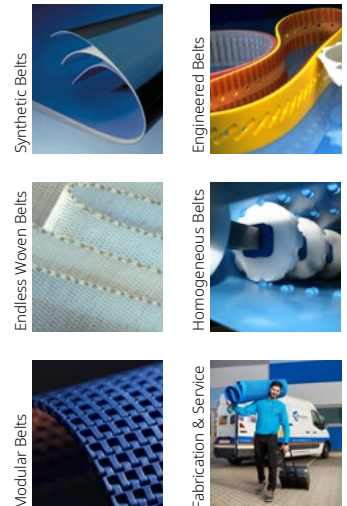
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