



DRIVE ELEMENTS – SPROCKETS



Rod network belts are driven by drive shafts with mounted sprockets. The configuration of the sprockets is shown in the following illustration. Our sprockets can be mounted onto the drive shaft in any direction.

Intended use

POM is used for standard applications between -50° C and +100° C and ensures that your rod network belt runs smoothly.

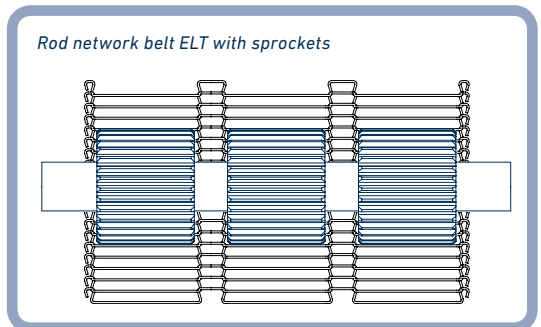
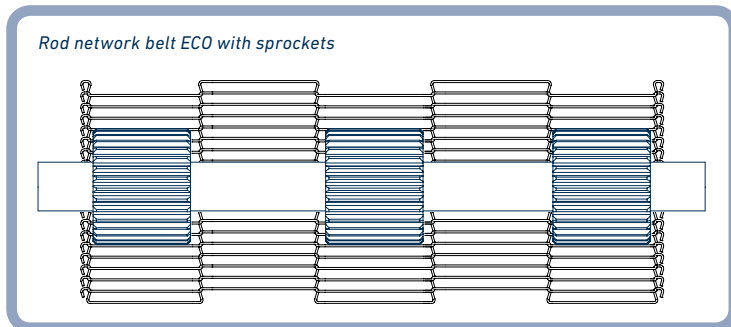
PEEK and stainless steel are suited for use at high temperatures (up to +280° C).

Material

- Sprockets POM, PEEK, 1.4305 stainless steel, POM detectable (recognised by metal detectors)
- Shafts: 1.4305 stainless steel

Drive sprocket width (guide value)

- Mesh length minus approximately 10 mm



Manufactured with feather key groove in accordance with DIN 6885-1, setscrew with hexagonal socket DIN 913 for added security

Standard sprocket sizes for standard wire/spacing combinations of rod network belts

WIRE THICKNESS [mm]	PITCH CIRCLE Ø [mm]	PITCH [mm]														
		4	4.24	4.5	5	5.5	5.64	6	6.3	6.4	7.26	9	11	12	12.7	
	0.9	Ø 43				Ø 49	Ø 48		Ø 54							
	1	Ø 43	Ø 43	Ø 42	Ø 43	Ø 49		Ø 53	Ø 54							
	1.25		Ø 43		Ø 43	Ø 49	Ø 48	Ø 53	Ø 54		Ø 62		Ø 95			
	1.4							Ø 53		Ø 53	Ø 62					
	1.6									Ø 53	Ø 62	Ø 77				
	1.8											Ø 77		Ø 103	Ø 105	
	2											Ø 77			Ø 105	
	2.35														Ø 105	

Standard sprocket sizes, other sizes available upon request



STRIKE!

Our product groups at a glance:



ROD NETWORK BELTS: Made in music wire, stainless steel or K2390 steel, our rod network belts offer you all the advantages of open grid design and precise belt run.

- Rod network belts are among the most popular conveyor solutions.
- Small deflection radii
- Grid structure for free liquid and air flow
- Guided by various means



SILICONE MOULDING BELTS: Märtens silicone moulding conveyor belts are available with customised surface structures and features tailor-made for your products.

- The basis for your product ideas.
- Temperature resistant up to 180° C
- Excellent release properties
- Shaped and structured according to customer specifications



METAL CONVEYOR BELTS: Our metal conveyor belts made from round or flat wire spirals are designed for universal use.

- These multi-purpose conveyors are particularly suitable for high-temperature applications.
- With looped or welded belt edges
- Permeable and temperature resistant
- Made in stainless steel



TIMING BELTS: Made of thermoplastic or duroplastic polyurethane, they allow for precise conveyance

- They are particularly suitable in cases where every millimetre counts.
- Exact conveyance
- Straight running
- Diverse designs



PLASTIC CONVEYOR BELTS: We offer conveyor belts with a variety of fabrics, including polyurethane, PVC, silicone, etc.

- They have been specifically designed for applications where high processing quality is essential.
- Food processing industry
- Processing conveyor systems
- Packaging technology



ACCESSORIES: Our comprehensive range of additional services and accessories covers everything required for safe and reliable system operation.

- For safe and secure system operation.
- Drive and deflection components
- Welding equipment
- Assembly solutions



MODULAR CONVEYOR BELTS: Made of polyethylene, polypropylene or polyacetal, they offer robust flexibility.

- With their modular design, they are the most convertible of belts.
- Easy to extend/shorten
- For direct contact with foodstuffs



SPECIAL MACHINES: We solve all your problems relating to process technology, based on expertise and years of practical experience.

- Real-world solutions for practical application.
- Curved conveyor systems
- Separating plants
- Made in Germany



SEPARATING BELTS: The elasticated silicone material allows for flexible width adjustment of the product over separating distance.

- Advanced solution for special applications.
- Product separation
- Product combination
- With anti-stick surface



Do you want to make progress?

Please let us know!

We are happy to answer your questions, provide additional material or make you a non-binding offer.

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Ein Unternehmen der Metall-Chemie Gruppe **MC**