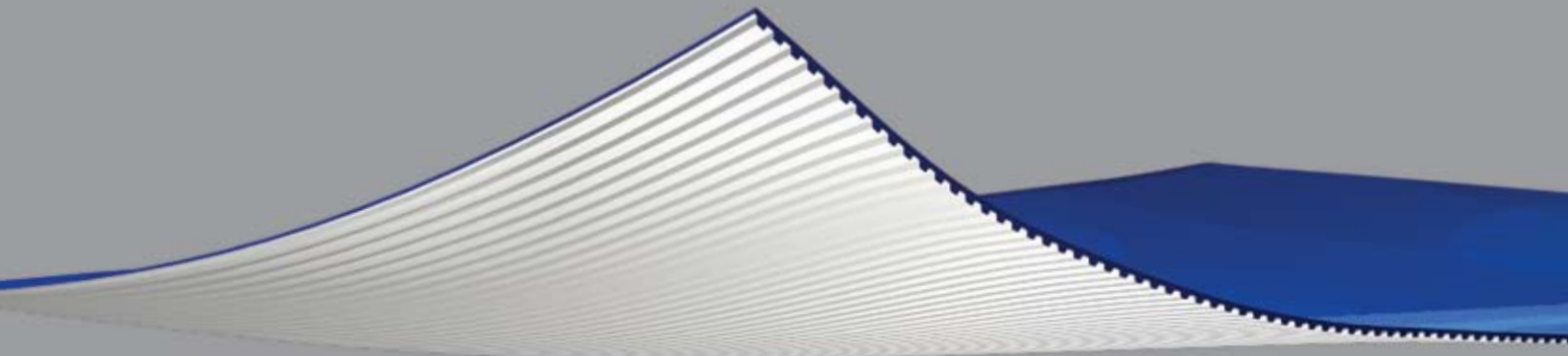


NEW

Ultrasync Belts



As a leading manufacturer of process, conveyor and power transmission belts, *Ammeraal Beltech* has produced new generation of belts: **Ultrasync-belts for positive drive and synchronous conveying.**

With Ultrasync-belts, *Ammeraal Beltech* has combined all good characteristics of synthetic conveyor belts, plastic modular belts and timing belts being also able to include comprehensive range of fabrications.

Ultrasync-belts are suitable for various industry segments including food. Many belt constructions are available, e.g. choice of polymers, reinforcements and colors, like blue belts for food industry.

Ultrasync-belts are ideal where there are problems with:

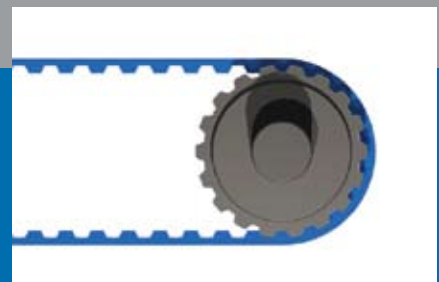
- Belt slippage: e.g. wet and oily circumstances
- Synchronizing: high speed processes with multi function
- Cycle operation: start and stop function
- Tracking: less tension, thus easier to track

Main features:

- Positive drive, no slippage
- Improved tracking
- Water, oil and chemical resistant
- Ambient temperature: -10°C up to +100°C

Customer benefits:

- Positive drive, thus less tension:
 - › Lower shaft forces
 - › No retensioning needed
 - › Smaller drive pulleys
 - › Compact machine design
- Improved tracking
- Higher acceleration without slippage
- Increased throughput and yield on production lines
- Meets FDA material requirements
- Choice of constructions: polymers, reinforcements, colors, fabrication
- Spliced endless according to requirements
- Wide range of accessories: cleats, side walls, covering materials
- Maximum width up to 1000 mm



Applications:

- Synchronous conveying and positioning
- Precision high speed indexing and motion
- Food and confectionery conveying
- Packaging machines and lines
- Hygienic paper production lines
- Automated process lines
- Vacuum applications
- Production lines in tire industry
- Wood processing lines
- Etc.

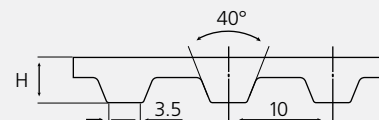
Technical specifications

ULTRASYN C standard range

Technical data													
Art code	Description	Bottom side T10 profile, acc. DIN 7721			Reinforcement (tension member)	Top side				Max allowable tension correspond max 0.4% belt elongation		Pulley Ø min. [mm]	Overall thickness H [mm]
		Material	Hardness [° ShA]	color		Type	Material	Hardness [° ShA]	Pattern	color	open [N/mm]		
UC2102	Ultrasync T10 210 A18	Ropanyl TPU	93	white	PES fabric	Ropanyl TPU	93	A18	white	3	1	36	5,0
UC2202	Ultrasync T10 220 A18	Ropanyl TPU	93	blue	PES fabric	Ropanyl TPU	93	A18	blue	3	1	36	5,0
UC2500	Ultrasync T10 250	Ropanyl TPU	85	white	PES fabric	Ropanyl TPU	85	glossy	white	3	1	36	4,5
UC2600	Ultrasync T10 260	Ropanyl TPU	85	blue	PES fabric	Ropanyl TPU	85	glossy	blue	3	1	36	4,5
UC5100	Ultrasync T10 510	Ropanyl TPU	93	white	PES fabric	Ropanyl TPU	93	glossy	white	13	9	43	4,5
UC5101	Ultrasync T10 510 M2	Ropanyl TPU	93	white	PES fabric	Ropanyl TPU	93	matt	white	13	9	43	4,5
UC5200	Ultrasync T10 520	Ropanyl TPU	93	blue	PES fabric	Ropanyl TPU	93	glossy	blue	13	9	43	4,5
UC5300	Ultrasync T10 530	Amtel TPE	90	ivory	PES fabric	Amtel TPE	90	glossy	ivory	13	9	49	4,5
UC5500	Ultrasync T10 550	Ropanyl TPU	85	white	PES fabric	Ropanyl TPU	85	glossy	white	13	9	36	4,5
UC5600	Ultrasync T10 560	Ropanyl TPU	85	blue	PES fabric	Ropanyl TPU	85	glossy	blue	13	9	36	4,5
UC5750	Ultrasync T10 575	Ropanyl TPU	93	white	PES fabric	Polyester fabric	-	-	white	13	9	36	3,8
UC5900	Ultrasync T10 590	Ropanyl TPU	93	white	PES fabric	Silam silicone	30	glossy	white	13	9	43	4,5
UC8100	Ultrasync T10 810	Ropanyl TPU	93	white	Aramid fabric	Ropanyl TPU	93	glossy	white	77	39	49	4,5

Maximum width: 1000 mm
 Minimum lengths: 500 mm for jointed belts (belt width under 150 mm)
 1000 mm for jointed belts (belt width over 150 mm)

All belts with a cover on top side are FDA and EU approved.



ULTRASYN C special range

In addition to the standard range, Ultrasync belts can be produced according to special requests. The construction for custom-made Ultrasync belts can be selected by the choice of:

- reinforcement: fabric type
- bottom side: material, color
- top side: material, thickness, surface pattern, color

Ultrasync special range bridges the gap when the standard range is not applicable.

ULTRASYN C fabrication

All Ultrasync-belts can be fabricated according to requirements in the same way as *Ammeraal Beltech* synthetic conveyor belts or timing belts. The fabrication possibilities are:

- jointing (even on site)
- perforations
- grinding tooth side or top side
- cleats welded on top side
- V-guides
- closed edges



Ultrasync belt with longitudinal rib pattern



Ultrasync belt with cleats



Ultrasync belt with customized holes

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