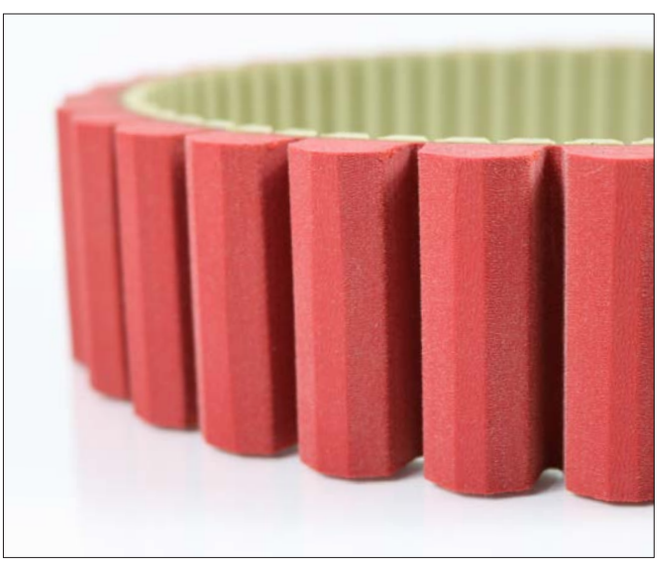
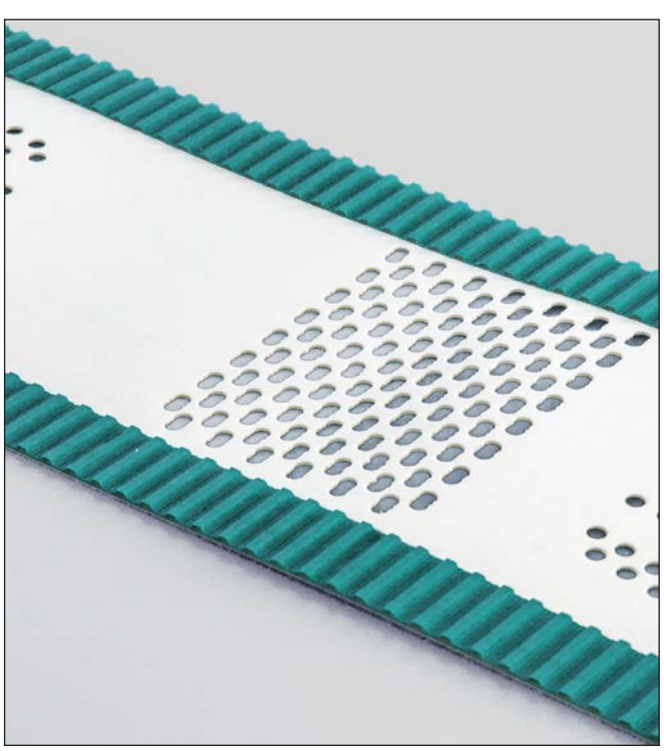
SPECIALTY BELT PRODUCT GUIDE

MEGADYNE

INDEX

INTRODUCTION





Megadyne, head quartered in Mathi, Italy, is a global manufacturer of rubber and polyurethane belts , with ancillary components. Commonly used in power transmission, product handling and linear positioning applications.

Founded in 1957, Megadyne developed cast polyurethane timing belts and soon afterwards extruded urethane timing belts came online. The company then entered into the rubber power transmission and conveyor belt sectors. Today Megadyne products are manufactured globally, used in all corners of the world and recognised to be world leaders.

The product range of Specialty Belts has become a crucially important part in the world of Megadyne. For more than 20 years, we have developed various Specialty Belts for our customers and have constantly expanded our production range and capabilities. In 2013, we invested in a new modern plant in Germany, to create a production and technology centre for Specialty Belts to fulfil the varied requirements from varied market sectors.

In 2014 Megadyne Group acquired Belt Corporation of America, located in Cumming GA. This acquisition enabled Megadyne, to expand its global position in the Specialty Belt product field.

In 2017 the Megadyne Group, expanded its global footprint with the acquisition of SACIF, a specialty provider of fabricated belts and the creator of Hybrid belts, designed for synchronised movement handling applications.

Starting from 2020 our production and technology centre for Specialty Belts will be placed in Italy. Efficiency and capacity improvements combined with the perspectice of a quick supply chain to fulfil the varied requirements from different industry sectors.

Today, we can provide our customers with the bespoke Specialty Belt solutions for their applications. Starting with a broad range of belt produced by Megadyne at worldwide plants, we can vertically integrate these products with our specialty belt manufacturing processes and materials to create covers, cleated belts and other design features, that address the specific demands of your application. The real strength of our Specialty Belt business, starts with our experienced and knowledgeable people. They understand the materials and application requirements. Utilising three modern manufacturing plants, as well as belt manufacturing processes that include, moulding, co extrusions, lamination, spin casting, special coverings and fabrication.

All this added together provides us with the ability to configure and build the right belt to perform to your specific requirements. Inside this Product Guide, you will find an overview of our varied materials and processes that we can offer. Whether you are an engineer starting a new project or a distributor working with an end user searching for efficiency or better belt performance, we can help.

INDUSTRIES SERVED

PACKAGING

Megadyne's portfolio of synchronous and nonsynchronous belts, include special covering materials, cleated belts, machined modifications and other fabrications, play a key role in delivering solutions for the packaging industry.

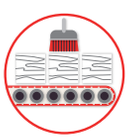
- Carton forming/box erecting/ box closing
- Filling lines
- Blow moulding machines
- Capping lines
- Carton lines
- Check weighing
- Feed lines
- Form, Fill and Seal
- Wrapping and Sealing
- Labeling

FOOD

Belts offering high speed and precision handling performance with FDA and USDA materials, designed for use where positioning, segmentation and placement of product is important.

- Meat Slicing
- Inspection Line
- Vertical Form Fill and Seal
- Horizontal Form Fill and Seal
- General Conveying
- Sausage Belts

CERAMIC, GLASS, BRICK & STONE



Belts offering high friction and excellent wear resistance. Megadyne offers elastomer and rubber materials that can be applied to your application. Cover modifications to assist in product handling, such as holes and angular or lateral machining are commonly used in this segment.

- Grinding Machines
- Cutting Lines
- Bevelling Lines
- Drilling Lines
- Polishing Lines
- Tempering Lines
- Sealing Lines

PAPER & PRINT

From a broad range of elastomer options, Megadyne can provide the right combination of substrate and cover materials to yield wear resistance, the right coefficient of friction and anti-static requirements. Modifications such as holes for slots, counter slots and vacuum draw down are a Megadyne specialty.

- Banking - ATMs, Card Readers, Bill and Coin Changers,
- Money and Check Sorting
- Commercial Printing Equipment
- Binding Equipment
- Mail Handling Equipment
- Collating Machines
- Ticketing Machines
- Newspaper production equipment

INDUSTRIES SERVED

MATERIAL HANDLING

Megadyne works with a wide range of materials and employs state of the art manufacturing processes to deliver reliable solutions for your specific product movement need.

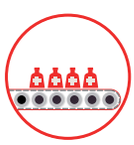
- Live roller conveyors
- Cross sorters
- Pallet and transport platform conveyors
- Placement conveyors
- Incline conveyors
- Line conveyors
- Diverters
- Offload, sorting and delivery conveyors
- ASRS systems

ROBOTICS & AUTOMATION

Urethane and rubber high strength synchronous belts are being increasingly incorporated into robotic positioning applications; these commonly include pick and place systems for packaging applications, robotic pharmaceutical delivery systems, robotic swimming pool cleaners, security camera positioning, and automotive assembly welding systems.

- 3D Printing
- Fiber Optics
- CNC XYZ Drives
- Wire Extrusion & Stripping
- Swimming Pool Cleaners
- Security Camera Positioning
- Theatre Lighting Positioning

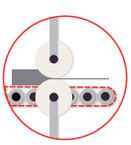
MEDICAL INDUSTRY



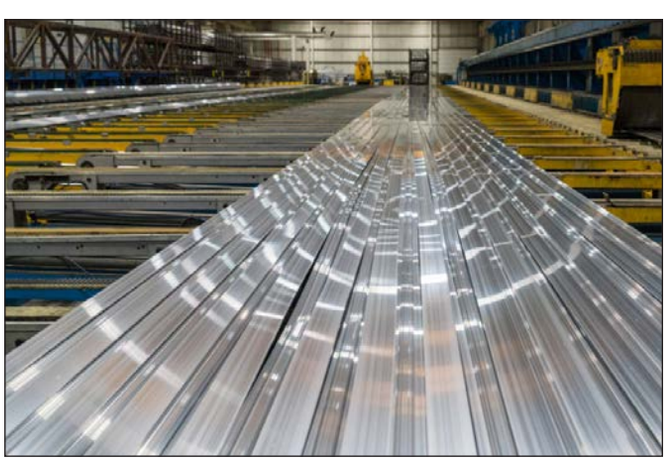
Megadyne offers a number of synchronous and non-synchronous options for both light duty power transmission and product handling applications within the medical industry. From capsule filling, to product inspection, to pill packaging, to equipment instrumentation drives, Megadyne belts can be found.

- Medical Equipment:
  - MRI Tables
  - Blood Centrifuge
- Automated Pharmaceutical Dispensers
- Medical Instrumentation

ALUMINUM EXTRUSION



Our belting products are used in a wide range of applications to ensure materials are transported successfully throughout each stage of aluminium production. Megadyne offers tailored solutions to meet your transport requirements as well as high temperature product handling.



... AND MANY MORE...

Automotive & Tyre

Ricicling

Textile

Wood

PRODUCTS EXAMPLE GALLERY

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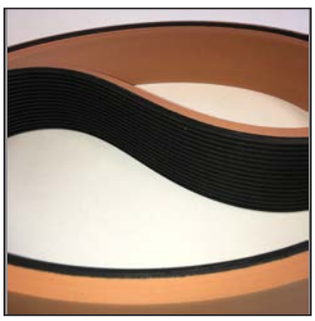
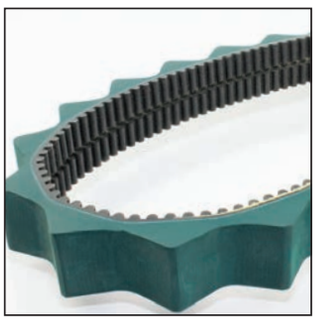
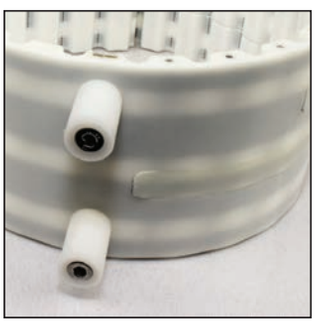
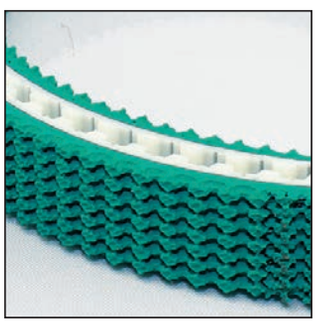
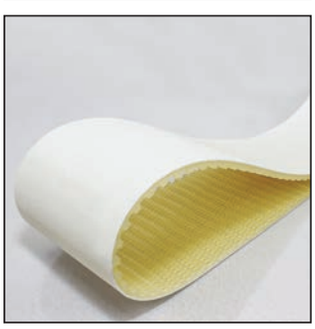
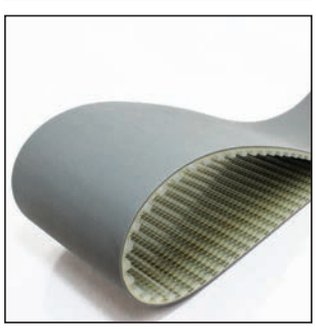
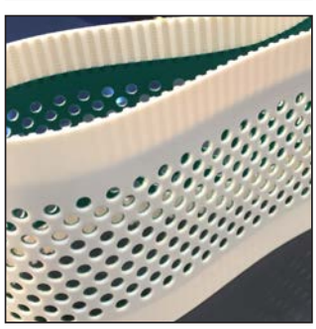
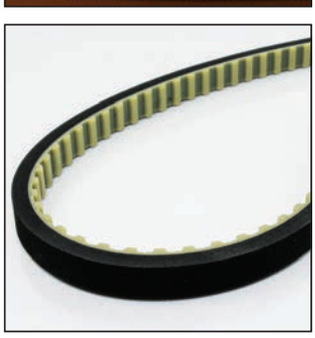
1				
2				
3				
4				
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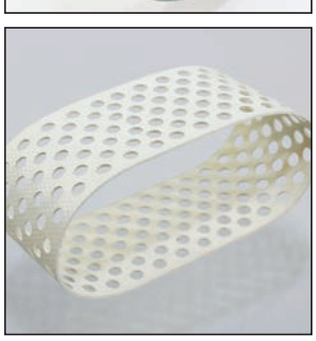
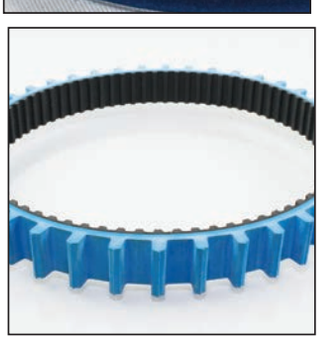
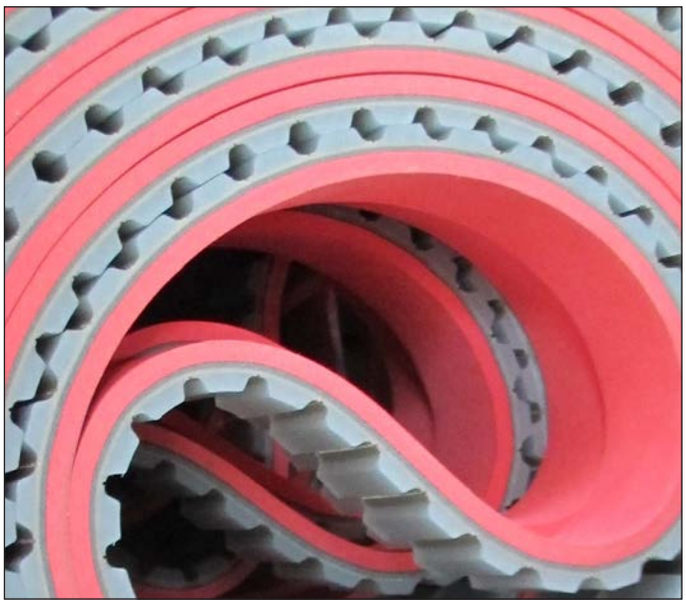
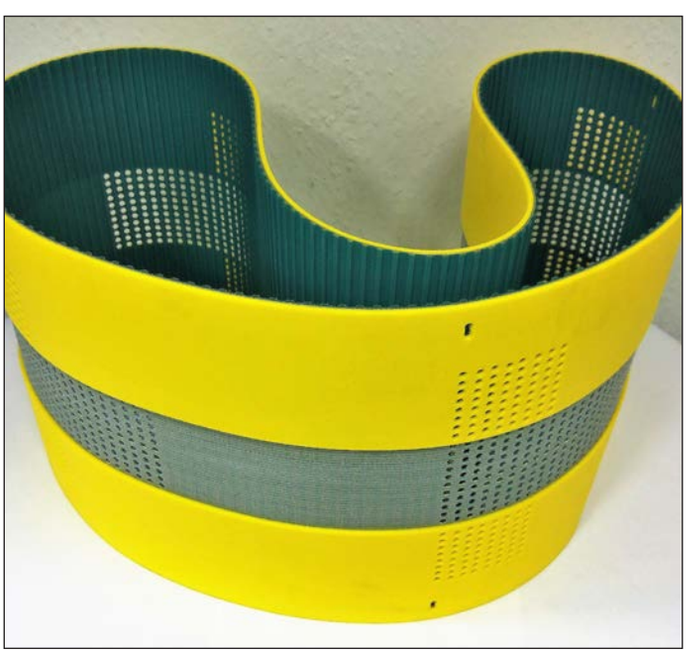
6				





Megadyne offers a variety of polyurethanes, rubbers, foams, PVC 's and other elastomeric covers for synchronous and non-synchronous product handling.

Some cover materials are applied during the production process which results in a truly homogeneous product;others are added later, using different methods including lamination, spraying and adhesive lamination.

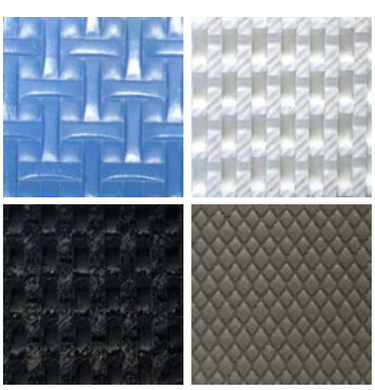
The choice of cover material and process used, is dependent on several factors including the application itself, the environment where the belt will operate, how product is placed on the belts and the quantity of belts needed.

All Specialty belt locations offer a wide range of Megadyne synchronous and non-synchronous substrates that can be covered with the materials listed in the following cover pages.

Additionally Megadyne technical support can assist you in choosing the right cover properties for your specific need. Covers are available for high or very low friction grip, wear and cut resistance, high temperature conveying, easy release, compressibility and shock absorption.

SYNCHRONOUS CONVEYING

Where synchronized conveying is required, Megadyne offers many traditional conveyor belt surfaces such as those shown below which can be added to Megalinear and Megaflex belts.

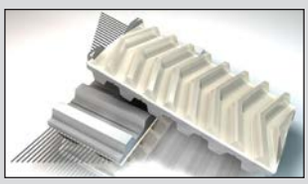
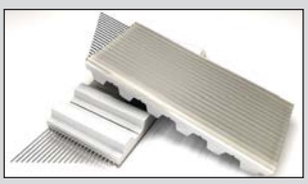
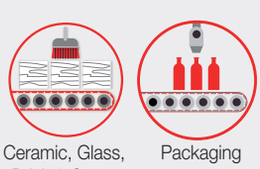
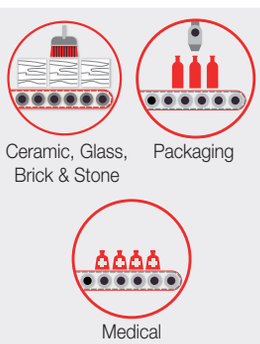


COVER COLOUR KEY

Orange	Yellow	Blue e FDA
Pu Cream	White	Hig Duro Pink
Pu Blue	Tan	Dark Gray
Gray	Sylomer Blue	Royal Blue
Transparent	Transparent Brown	Black
Red Grip	Celloflex Tan	Dark Red
Red	Dark Green	Brown
Mint Green	Blue Anti Glaze	Coral

COVERS

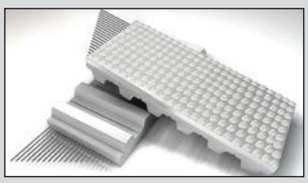
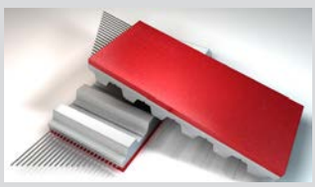
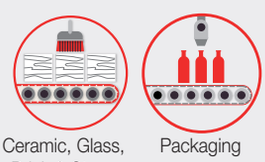
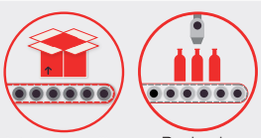
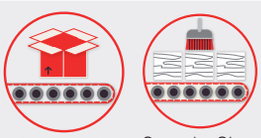
POLYURETHANE (PU)

	AVAFC			PU FISHBONE	PU RIBBED
Please ask our Team for more information about avalability, minimum quantity, and delivery time.					
SAMPLE BOOK REFERENCE N°	PU 1	PU 2	PU 3	PU 4	PU 5
COLOURS		◯		◯	◯
RAW MATERIAL		PU		PU	PU
HARDNESS (ShA)	60	70	85	70	70
COATING AND BELT COHESION METHOD		Co-extrusion		Co-extrusion	Co-extrusion
STANDARD COVER THICKNESS RANGE (mm)		2/3/4		4,3	2,7
TOLERANCE COVER THICKNESS		+/- 0,3		+/- 0,5	+/- 0,5
WORKING TEMPERATURE (°C)		-20 /+80		-20 /+80	-20 /+80
COEFFICIENT OF FRICTION (1) CoF	0,65	0,65	0,60	0,60	0,60
MIN. PULLEY DIAMETER (2)		x 40		x 30	x 35
WATER RESISTANCE	Good	Fair	Very good	Very good	Very good
ABRASION RESISTANCE	Good	Fair	Very good	Very good	Very good
OIL RESISTANCE**	Good	Fair	Good	Fair	Fair
FOOD CONTACT APPROVED	No	No	No	No	No
FEATURES/BENEFITS	High friction on smooth and dry surfaces.		Very good wear resistance. Suitable for conveying sharp-edged materials.	Suitable for wet environments where friction and drainage are necessary.	Reduced contact point for conveying smooth products. Allows drain of liquids.
INDUSTRIES					

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

POLYURETHANE (PU)

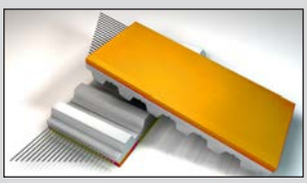
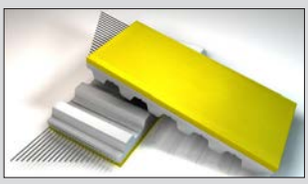
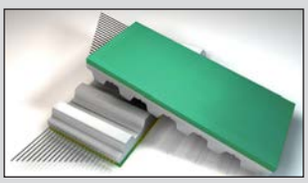
Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	NP 385	RED GRIP	APL RED
			
SAMPLE BOOK REFERENCE N°	PU 6	PU 7	PU 8
COLOURS	◯	●	●
RAW MATERIAL	PU	PU/Synthetic Rubber	PU/PVC
HARDNESS (ShA)	70	63 +/- 4	55
COATING AND BELT COHESION METHOD	Co-extrusion	Co-extrusion	Co-extrusion
STANDARD COVER THICKNESS RANGE (mm)	4	1 to 8	3,5
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+80	-20 /+60	-20 /+60
COEFFICIENT OF FRICTION (1) CoF	0,60	0,70	0,70
MIN. PULLEY DIAMETER (2)	x 40	x 30	x 30
WATER RESISTANCE	Very good	Good	Good
ABRASION RESISTANCE	Very good	Very good	Good
OIL RESISTANCE**	Good	Very good	Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	For oily conveyor conditions Contact only on top of the Noppen.	A seamless alternative to LINATEX™. Only available on MEGAFLEX.	Seamless alternative to LINATEX™. Blended elastomer offering high CoF, good oil resistance.
INDUSTRIES	 Ceramic, Glass, Brick & Stone — Packaging	 Material Handling — Packaging  Ceramic, Glass, Brick & Stone	 Material Handling — Ceramic, Glass, Brick & Stone  Paper & Print

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

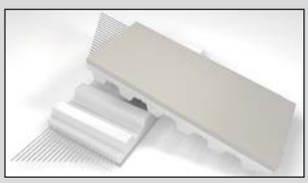
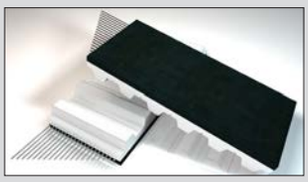
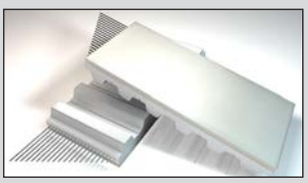
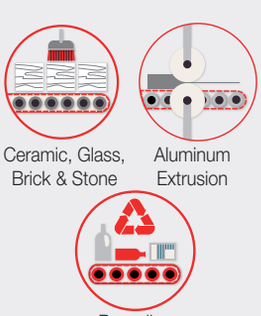
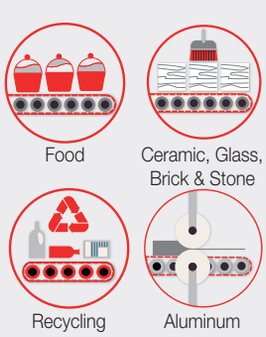
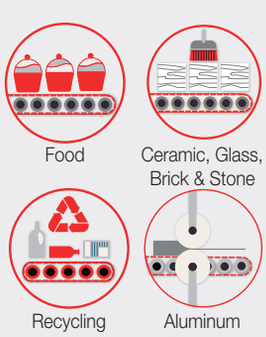
POLYURETHANE (PU)

	ORANGE COVER	Z-COVER	GREEN MILLABLE URETHANE
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	PU 9	PU 10	PU 11 / PU 12
COLOURS			
RAW MATERIAL	PU	PU	Millable Urethane
HARDNESS (ShA)	42	56	40 / 50 / 60 / 70 / 85
COATING AND BELT COHESION METHOD	Co-extrusion	Co-extrusion	Moulding
STANDARD COVER THICKNESS RANGE (mm)	3/6/9	3-6	2,4 to 14
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-25 /+65	-25 /+70	-20 /+80
COEFFICIENT OF FRICTION (1) CoF	0,80	0,60	0,60 / 0,55
MIN. PULLEY DIAMETER (2)	x 20	x 25	x 30 / x 30 / x 35 / x 40
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Good	Good	Very good
OIL RESISTANCE**	Good	Good	Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	A cover offering high grip, good wear and oil resistance. Available on MEGAFLEX only.	High density, high CoF PU foam with good resistance to oil and abrasion.	Very good abrasion resistance with high CoF. Common used in Cable and Wire Industry.
INDUSTRIES	Material Handling	Material Handling	Ceramic, Glass, Brick & Stone; Aluminum Extrusion; Recycling

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

POLYURETHANE (PU)

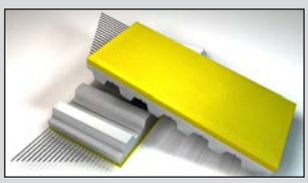
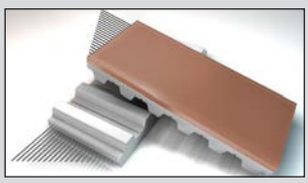
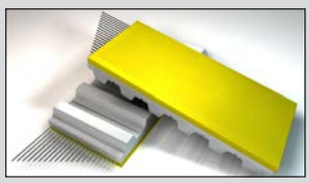
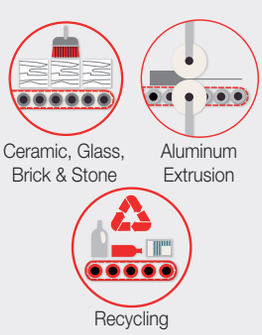
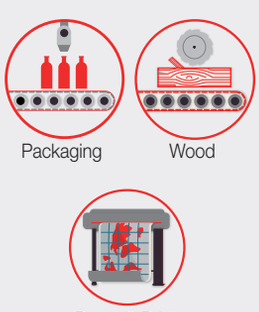
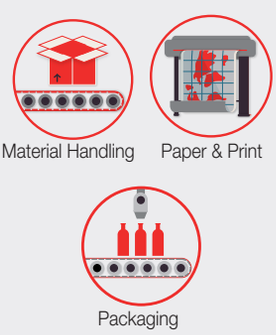
Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	ON REQUEST TAN MILLABLE URETHANE	ON REQUEST BLACK MILLABLE URETHANE	ON REQUEST WHITE MILLABLE URETHANE
			
SAMPLE BOOK REFERENCE N°	PU 68	PU 69	PU 70
COLOURS			
RAW MATERIAL	Millable Urethane	Millable Urethane	Millable Urethane
HARDNESS (ShA)	70	80	55
COATING AND BELT COHESION METHOD	Moulding	Moulding	Moulding
STANDARD COVER THICKNESS RANGE (mm)	2,4 to 14	2,4 to 14	2,4 to 14
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+80	-20 /+80	-20 /+80
COEFFICIENT OF FRICTION (1) CoF	0,55	0,55	0,60
MIN. PULLEY DIAMETER (2)	x 35	x 40	x 30
WATER RESISTANCE	Very good	Very good	Very good
ABRASION RESISTANCE	Very good	Very good	Very good
OIL RESISTANCE**	Good	Good	Good
FOOD CONTACT APPROVED	No	Yes	Yes
FEATURES/BENEFITS	Very good abrasion and tear resistance.	Very good abrasion and tear resistance. Formulated from materials compatible with FDA.	High CoF, very good abrasion and tear resistance. Formulated from materials compatible with FDA.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

POLYURETHANE (PU)

	ON REQUEST YELLOW MILLABLE URETHANE	POLYTHAN D44	PU-YELLOW
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	PU 71	PU 13	PU 14A
COLOURS	●	○	●
RAW MATERIAL	Millable Urethane	PU	Two Component PU Foam
HARDNESS (ShA)	70	72	35-40 (soft) 50 (standard) 60-70 (hard)
COATING AND BELT COHESION METHOD	Moulding	Lamination	By Spraying
STANDARD COVER THICKNESS RANGE (mm)	2,4 to 14	1 to 6	1 to 10
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,5	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+80	-10 /+60	-10 /+60
COEFFICIENT OF FRICTION (1) CoF	0,55	0,70	0,40
MIN. PULLEY DIAMETER (2)	x 35	x 30	x 25
WATER RESISTANCE	Very good	Good	Fair
ABRASION RESISTANCE	Very good	Good	Very good
OIL RESISTANCE**	Good	Good	Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Very good abrasion and tear resistance.	Good resistance against Ozon and UV radiation. Due to cut resistance commonly used for conveyor of sheets panel, wood and glass.	Very good abrasion resistance and and high grip against paper. Good machinability for vacuum holes and other modifications.
INDUSTRIES			

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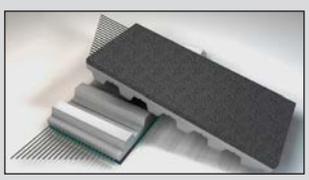
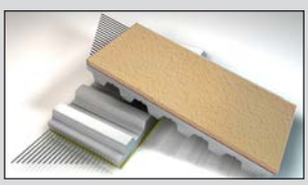
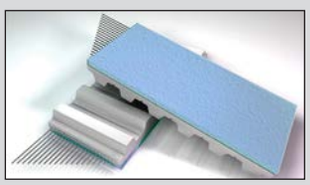
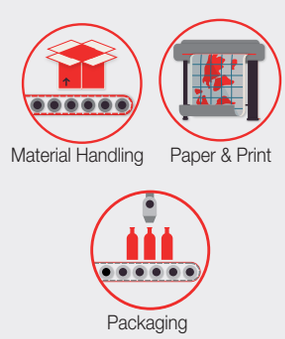
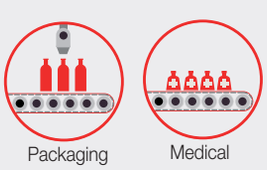
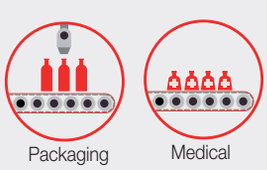
COVERS

POLYURETHANE (PU)

Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	PU-GREY/RED	CELLOFLEX	SYLOMER BLUE
			
SAMPLE BOOK REFERENCE N°	PU14B	PU 15	PU 16
COLOURS			
RAW MATERIAL	Two Component PU Foam	Micro-cellular PU	PU Foam
HARDNESS (ShA) VOLUME WEIGHT (kg/m³)	25-40 (soft) 50 (standard) 60-70 (hard)	350 kg/m³	220 kg/m³
COATING AND BELT COHESION METHOD	By Spraying	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	1 to 10	2 to 5	2 to 20
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,5	+/- 0,5
WORKING TEMPERATURE (°C)	-10 /+60	-30 /+80	-30 /+70
COEFFICIENT OF FRICTION (1) CoF	0,40	0,30	0,50
MIN. PULLEY DIAMETER (2)	x 25	x 20	x 15
WATER RESISTANCE	Fair	Poor	Good
ABRASION RESISTANCE	Very good	Fair	Poor
OIL RESISTANCE**	Good	Poor	Poor
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Very good abrasion resistance and high grip against paper. Good machineability for vacuum holes and other modifications.	Highly flexible, good shock absorption. Use to move sensitive and fragile products. Better resistance than sylomer foams.	10 ShA offers high dynamic load capacity for handling of lightweight, fragile items.
INDUSTRIES			

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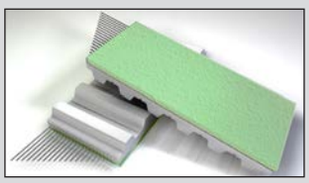
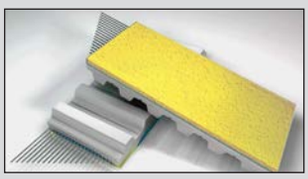
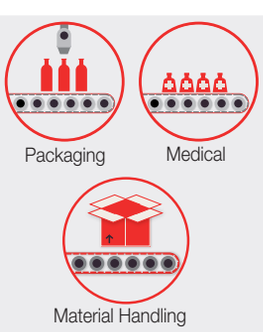
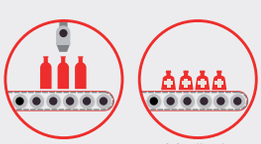
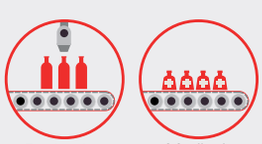
COVERS

POLYURETHANE (PU)

Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	SYLOMER GREEN	SYLOMER BROWN	SYLOMER YELLOW
			
SAMPLE BOOK REFERENCE N°	PU 17	PU 18	PU 68
COLOURS			
RAW MATERIAL	PU Foam	PU Foam	PU Foam
VOLUME WEIGHT (kg/m³)	300 kg/m³	400 kg/m³	150 kg/m³
COATING AND BELT COHESION METHOD	Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	2 to 25	1 to 12	1 to 12
TOLERANCE COVER THICKNESS	+/- 0,5	+/- 0,5	+/- 0,25
WORKING TEMPERATURE (°C)	-30 /+70	-30 /+70	-30 /+70
COEFFICIENT OF FRICTION (1) CoF	0,50	0,50	0,50
MIN. PULLEY DIAMETER (2)	x 15	x 20	Ø min. +TKx5(****)
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Poor	Fair	Poor
OIL RESISTANCE**	Poor	Poor	Poor
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	15 ShA, offers high dynamic load capacity for top pressure belts.	22 ShA, offers high dynamic load capacity for moving glass.	High dynamic load capacity for movement of light and sensitive parts.
INDUSTRIES			

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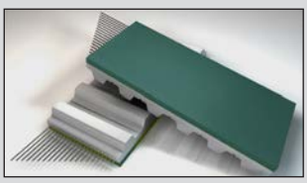
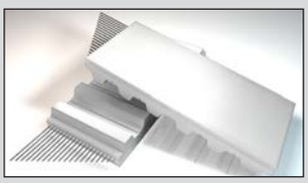
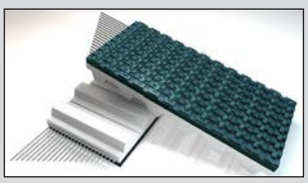
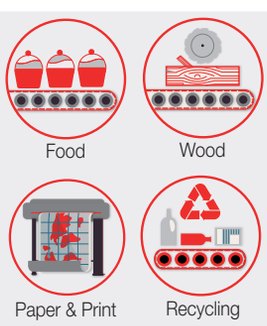
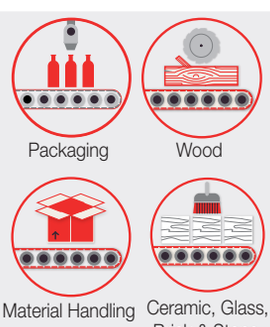
PVC

Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	PVC-FOIL BLUE	PVC-FOIL WHITE	SUPERGRIP PETROL
			
SAMPLEBOOK REFERENCE N°	PVC 19	PVC 20	PVC 21
COLOURS			
RAW MATERIAL	PVC	PVC	PVC
HARDNESS (ShA)	40	65	46
COATING AND BELT COHESION METHOD	Lamination	Lamination	Co-extrusion Lamination
STANDARD COVER THICKNESS RANGE (mm)	2	2	4,5
TOLERANCE COVER THICKNESS	+/- 0,5	+/- 0,5	+/- 0,5
WORKING TEMPERATURE (°C)	-15 /+70	-20 /+100	-10 /+60
COEFFICIENT OF FRICTION (1) CoF	0,90	0,80	0,90
MIN. PULLEY DIAMETER (2)	40 mm	60 mm	60 mm
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Fair	Good	Fair
OIL RESISTANCE**	Good	Very good	Good
FOOD CONTACT APPROVED	No	Yes	No
FEATURES/BENEFITS	Good adhesion characteristics due to good CoF and smooth surface for the conveyance of paper and foil, but also wood and plastics. Seamless weldable on ML and MFX	Good adhesion characteristics due to good CoF and smooth surface. Resistant to acids and oils. Formulated with ingredients considered FDA safe. Seamless weldable on ML and MFX.	High CoF, applicable for slight height compensation, low shock absorption capabilities. Improved adhesion even in case of moisture and dirt - for incline, feed and take-away conveying applications. Seamless weldable on ML and MFX.
INDUSTRIES			

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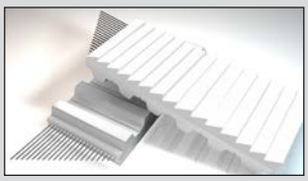
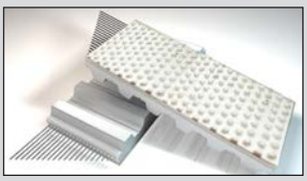
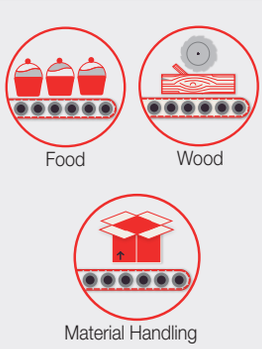
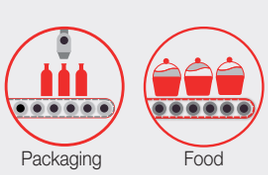
COVERS

PVC

	SUPERGRIP WHITE	PVC-SAW TOOTH	PVC-NAPPED
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	PVC 22	PVC 23	PVC 24
COLOURS	●	●	●
RAW MATERIAL	PVC	PVC	PVC
HARDNESS (ShA)	60	60	65
COATING AND BELT COHESION METHOD	Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	3,5	2,5	1,5
TOLERANCE COVER THICKNESS	+/- 0,5	+/- 0,5	+/- 0,5
WORKING TEMPERATURE (°C)	-10 /+100	-15 /+70	-15 /+60
COEFFICIENT OF FRICTION (1) CoF	0,80	0,70	0,80
MIN. PULLEY DIAMETER (2)	60 mm	60 mm	60 mm
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Fair	Fair	Fair
OIL RESISTANCE**	Very good	Very good	Very good
FOOD CONTACT APPROVED	Yes	Yes	Yes
FEATURES/BENEFITS	Characteristics same as Supergrip petrol but less flexible for the conveyance of food. Resistant against acids and bases.	FDA clear pattern for improved adhesion under wet conditions. Line contact, resistant against acids and bases.	Thin cover offers good Cof, even in wet conditions. Resistant to acids and oils. Formulated with FDA materials.
INDUSTRIES			

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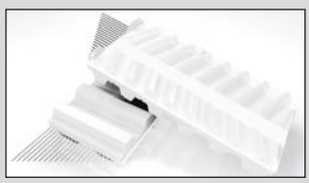
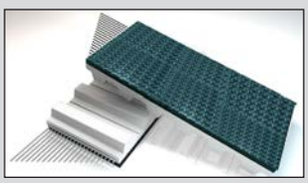
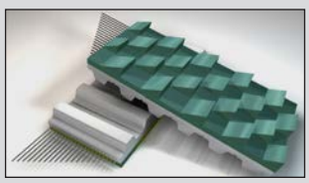
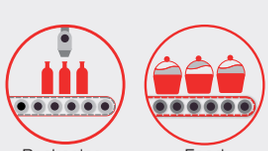
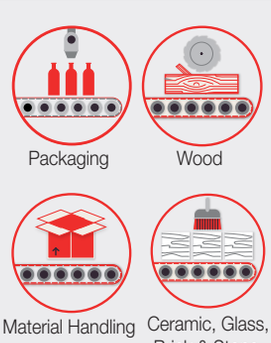
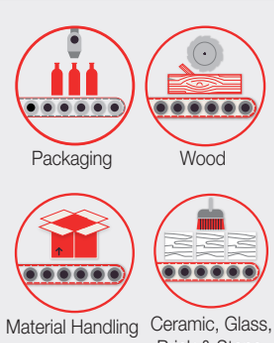
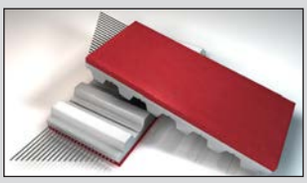
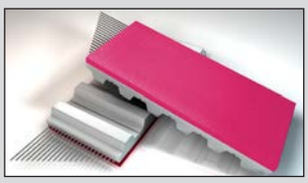
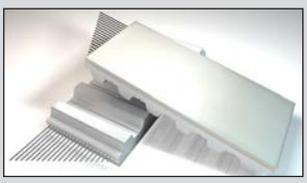
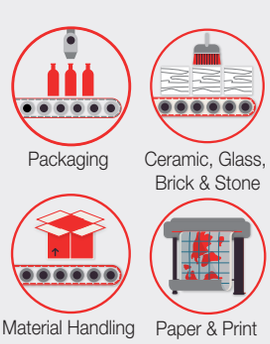
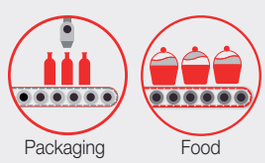
Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	PVC-FISHBONE	MINIGRIP GREEN	STAGGERED SAWTOOTH
			
SAMPLE BOOK REFERENCE N°	PVC 25	PVC 26	PVC 81
COLOURS	●	●	● ●
RAW MATERIAL	PVC	PVC	PVC
HARDNESS (ShA)	65	60	46
COATING AND BELT COHESION METHOD	Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	3	1,3	8
TOLERANCE COVER THICKNESS	+/- 0,5	+/- 0,5	+/- 0,5
WORKING TEMPERATURE (°C)	-15 /+90	-10 /+70	-20 /+70
COEFFICIENT OF FRICTION (1) CoF	0,80	0,70	0,90
MIN. PULLEY DIAMETER (2)	60 mm	30 mm	60 mm
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Good	Fair	Good
OIL RESISTANCE**	Very good	Good	Good
FOOD CONTACT APPROVED	Yes	No	No
FEATURES/BENEFITS	Improved CoF in wet conditions. Narrow belts may only have a single diagonal cut profile. Resistant to acids and oils. Formulated with FDA materials.	Thin cover structure with very good friction, even in wet or dusty conditions - reduces frictional stick of smooth and dry conveyed products. Resistant to acids and oils.	Very good CoF for gripping and incline conveying. Resistant to acids and oils.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

RUBBER

	LINATEX™ RED		LINARD	LINAPLUS FG
Please ask our Team for more information about avalability, minimum quantity, and delivery time.				
SAMPLE BOOK REFERENCE N°	RU 27		RU 28	RU 29
COLOURS				
RAW MATERIAL	Natural Rubber		Natural Rubber	Natural Rubber
HARDNESS (ShA)	38	40	60	38
COATING AND BELT COHESION METHOD	Lamination	Vulcanisation	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	1 to10	3 to 12,7	1 to 6	1 to 3
TOLERANCE COVER THICKNESS	+/-1(***)		+/-1(***)	+/-1(***)
WORKING TEMPERATURE (°C)	-40 /+70		-30 /+70	-40 /+70
COEFFICIENT OF FRICTION (1) CoF	0,90		0,60	0,75
MIN. PULLEY DIAMETER (2)	x 20		x 30	x 25
WATER RESISTANCE	Good		Good	Good
ABRASION RESISTANCE	Good		Good	Fair
OIL RESISTANCE**	Poor		Fair	Poor
FOOD CONTACT APPROVED	No		No	Yes
FEATURES/BENEFITS	Cover offers high CoF, good wear resistance, good wet conditions but poor in oil. Commonly used as discharged belts for use in vacuum VFFS.		Cover with high abrasion resistance but less adhesion in comparison to LINATEX™.	High CoF white non marking natural rubber material. Formulated with FDA materials.
INDUSTRIES				

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

RUBBER

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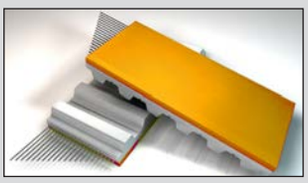
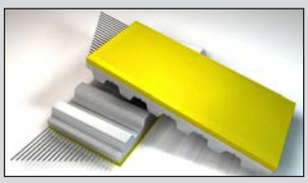
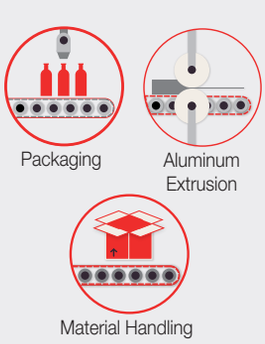
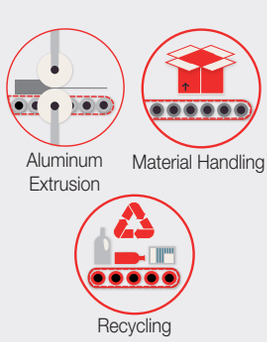
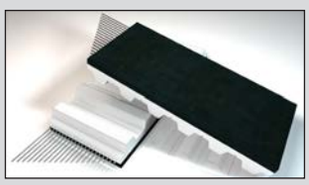
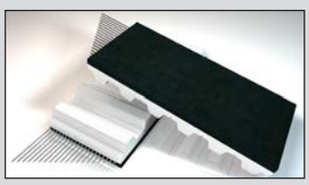
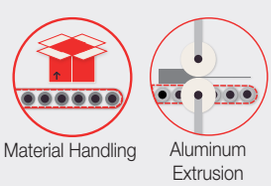
	LINATRILE	RP 400 YELLOW	GUMMY CORREX AMBRA PARABLOND
			
SAMPLE BOOK REFERENCE N°	RU 30	RU 31	RU 73
COLOURS			
RAW MATERIAL	Polymer NBR	Caoutchouc	Natural Rubber
HARDNESS (ShA)	55	38	48
COATING AND BELT COHESION METHOD	Lamination	Lamination	Vulcanisation
STANDARD COVER THICKNESS RANGE (mm)	1 to 10	2 to 6	0,8 to 15
TOLERANCE COVER THICKNESS	+/- 1(***)	+/- 0,5	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+110	-10 /+80	-20 /+60
COEFFICIENT OF FRICTION (1) CoF	0,70	0,80	0,60
MIN. PULLEY DIAMETER (2)	x 25	x 20	x 30
WATER RESISTANCE	Good	Good	Very good
ABRASION RESISTANCE	Good	Good	Very good
OIL RESISTANCE**	Good	Poor	Poor
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Improved temperature, oil, grease and aging resistance compared to natural rubber. Good mechanical processing capability vacuum transport of oil-covered sheets.	Cover has fine fabric texture, characteristics similar to LINATEX™ but higher abrasion resistance.	Cover offers high CoF and higher abrasion resistance than LINATEX™.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

RUBBER

	CORREX BEIGE	CORREX BLACK	NBR	
Please ask our Team for more information about avalability, minimum quantity, and delivery time.				
SAMPLE BOOK REFERENCE N°	RU 32	RU 33	RU 34	
COLOURS				
RAW MATERIAL	Natural Rubber	Natural Rubber	Nitrile Caoutchouc	
HARDNESS (ShA)	36	60	50	65 / 70
COATING AND BELT COHESION METHOD	Lamination	Lamination	Lamination	Vulcanisation
STANDARD COVER THICKNESS RANGE (mm)	2 to 6	2 to 6	2 to 6	0,8 to 15
TOLERANCE COVER THICKNESS	+/- 0,5	+/- 0,5	+/- 0,5	+/- 0,3
WORKING TEMPERATURE (°C)	-10 /+70	-10 /+70	-35 /+70	0 /+120
COEFFICIENT OF FRICTION (1) CoF	0,70	0,60	0,70	0,60
MIN. PULLEY DIAMETER (2)	x 20	x 30	x 30	x 35
WATER RESISTANCE	Fair	Fair	Very good	Good
ABRASION RESISTANCE	Good	Good	Poor	Good
OIL RESISTANCE**	Poor	Poor	Good	Good
FOOD CONTACT APPROVED	No	No	No	No
FEATURES/BENEFITS	Cover offers high CoF and high wear resistant features. Similar to LINATEX™. Black contact layer.	Cover offers good abrasion resistance and lower friction than Correx Beige.	Cover offers improved oil and grease resistance compared to natural rubber.	
INDUSTRIES				

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RUBBER

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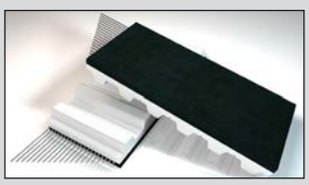
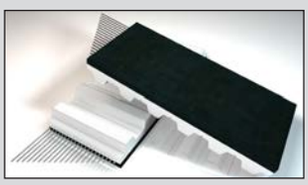
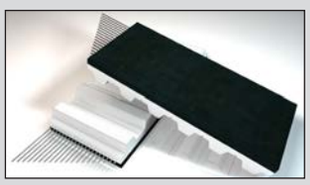
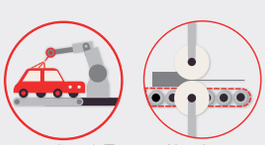
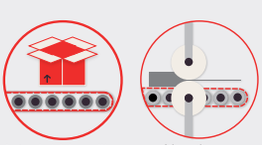
	EPDM	VITON (FKM)		POROL BLACK
				
SAMPLE BOOK REFERENCE N°	RU 35	RU 36		RU 37
COLOURS	●	●		●
RAW MATERIAL	Ethylene - Propylene Diene - Monomer	Fluoropolymer		Natural Cellular Rubber Foam
HARDNESS (ShA)	70	50	75	190 kg/m³
COATING AND BELT COHESION METHOD	Lamination	Vulcanisation	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	2 to 5	>= 1,5	2 to 4	2 to 20
TOLERANCE COVER THICKNESS	+/- 0,5	+/- 0,5		+/- 0,5
WORKING TEMPERATURE (C°)	-20 /+120	-20 /+360	-10 /+190	-40 /+70
COEFFICIENT OF FRICTION (1) CoF	1,10	0,70		1,2
MIN. PULLEY DIAMETER (2)	x 35	x 40		x 15
WATER RESISTANCE	Very good	Very good		Very good
ABRASION RESISTANCE	Poor	Good		Fair
OIL RESISTANCE**	Poor	Very good		Fair
FOOD CONTACT APPROVED	No	No		No
FEATURES/BENEFITS	Cover offers high temperature range, good chemical and aging resistance.	Cover offers extremely high temperature and oil resistance. ATTENTION: For Lamination, attention must be given to the lower temperature resistance of base belt and adhesive used.		Cover is closed cell, soft elastic cellular rubber with good wear resistance. On request with Nylon cover for bottle descrambling.
INDUSTRIES	 Automotive & Tyre Aluminum Extrusion	 Material Handling Aluminum Extrusion		 Packaging Medical Material Handling Textile

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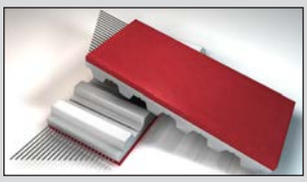
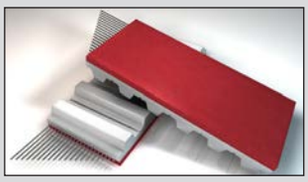
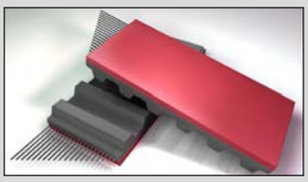
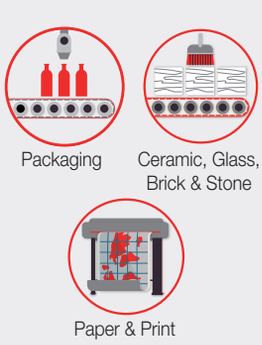
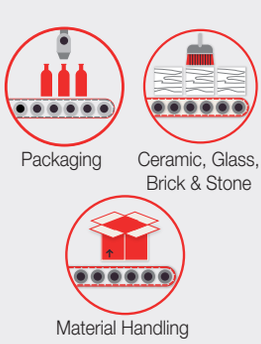
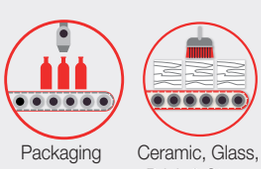
COVERS

RUBBER

	TENAX 40	TENAX STANDARD	TNX RED
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	RU 74	RU 75	RU 38
COLOURS	●	●	●
RAW MATERIAL	Natural Rubber	Natural Rubber	NR/BR
HARDNESS (ShA)	40	45	50
COATING AND BELT COHESION METHOD	Vulcanisation	Vulcanisation	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	0,8 to 15	0,8 to 15	<=16 (*)
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+60	-20 /+60	-20 /+60
COEFFICIENT OF FRICTION (1) CoF	0,75	0,70	0,70
MIN. PULLEY DIAMETER (2)	x 30	x 30	Ø min. +TKx5(****)
WATER RESISTANCE	Very good	Very good	Fair
ABRASION RESISTANCE	Very good	Very good	Good
OIL RESISTANCE**	Poor	Poor	Poor
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Cover is a seamless alternative to LINATEX™. Slightly softer than Tenax Standard with higher grip.	Cover is slightly harder than Tenax 40, but offers very good abrasion resistance.	Harder than Tenax Standard. Available on one shot rubber belts only.
INDUSTRIES			

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RUBBER

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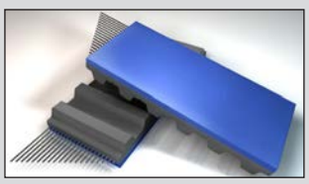
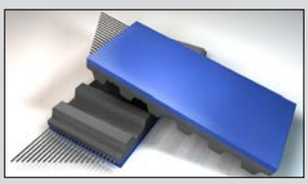
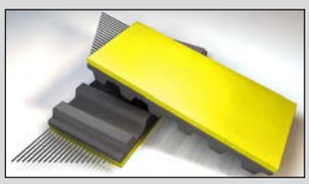
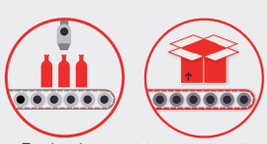
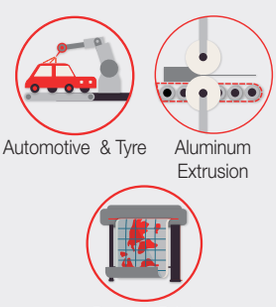
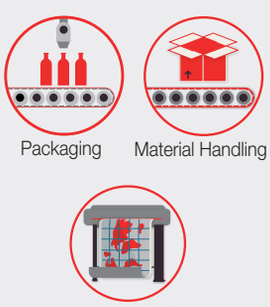
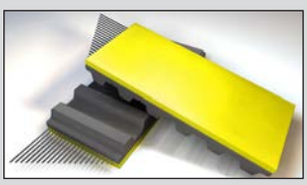
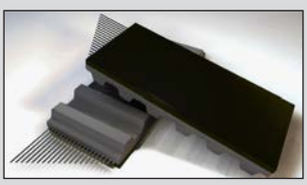
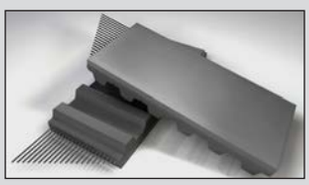
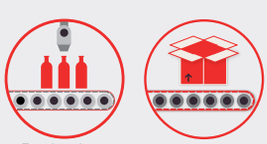
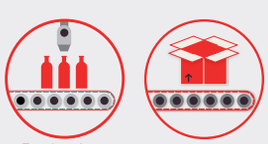
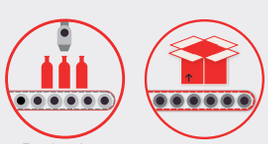
	BLUE GRIP	HTX (SILBLUE)	YELLOW GUM R14
			
SAMPLE BOOK REFERENCE N°	RU 39	RU 40	RU 41
COLOURS			
RAW MATERIAL	NR/BR	Silicone	Natural Rubber
HARDNESS (ShA)	57	64	35-45
COATING AND BELT COHESION METHOD	One Shot Curing	One Shot Curing	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	<=12,5 (*)	<=12 (*)	1,6 to 12
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+80	0 /+175	-25 /+85
COEFFICIENT OF FRICTION (1) CoF	0,80	1,60	0,80
MIN. PULLEY DIAMETER (2)	Ø min. +TKx5(****)	Ø min. +TKx5(****)	Ø min. +TKx5(****)
WATER RESISTANCE	Fair	Very good	Good
ABRASION RESISTANCE	Very good	Fair	Very good
OIL RESISTANCE**	Fair	Good	Poor
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Very good wear resistance. Alternative to LINATEX™. Only available on rubber base belts.	Cover offers high temperature and UV resistance. Non-marking compound common used in printing applications. Only available on rubber base belts.	Cover offering high CoF, very good wear resistance. Compound common used in indexing, corrugating, positioning and packaging applications. Only available on rubber base belts.
INDUSTRIES	 Packaging Material Handling	 Automotive & Tyre Aluminum Extrusion Paper & Print	 Packaging Material Handling Paper & Print

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

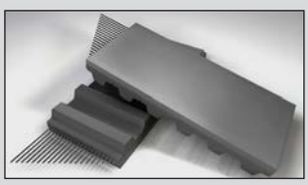
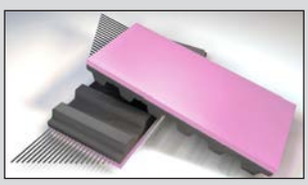
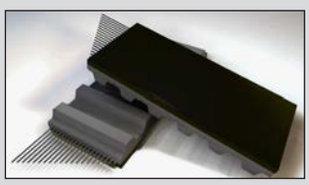
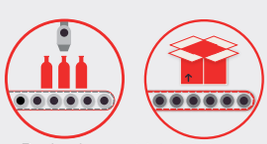
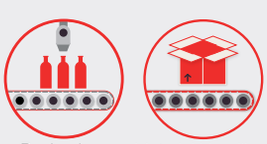
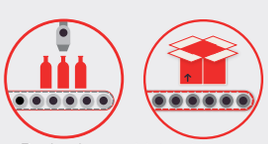
RUBBER

	YELLOW NEOPRENE R15	HIGH DURO NEOPRENE R18	50 DURO GRAY NEOPRENE R23
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	RU 58	RU 59	RU 60
COLOURS			
RAW MATERIAL	Polychloroprene	Polychloroprene	Polychloroprene
HARDNESS (ShA)	35-45	70-80	50-60
COATING AND BELT COHESION METHOD	One Shot Curing	One Shot Curing	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	1,0 - 13,0	1,0 - 13,0	1,0 - 13,0
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-25 /+80	-20 /+80	-25 /+80
COEFFICIENT OF FRICTION (1) CoF	0,65	0,60	0,65
MIN. PULLEY DIAMETER (2)	Ø min. +TKx5(****)	Ø min. +TKx5(****)	Ø min. +TKx5(****)
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Good	Good	Good
OIL RESISTANCE**	Good	Good	Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Cover offering a Neoprene alternative for applications requiring better resistance to heat, oils, greases, solvents. Only available on rubber base belts.	Cover offering a high ShA, black non-marking neoprene compound. Only available on rubber base belts.	Cover offering a medium ShA, non-marking compound, good heat resistance, CoF properties and color stability. Only available on rubber base belts.
INDUSTRIES	 Packaging Material Handling	 Packaging Material Handling	 Packaging Material Handling

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

RUBBER

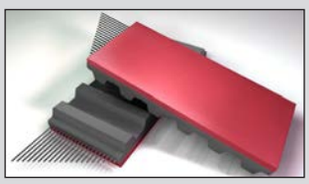
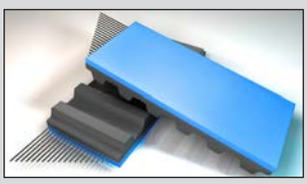
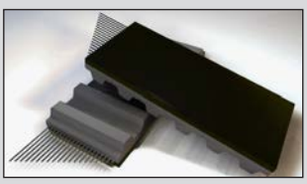
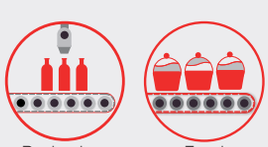
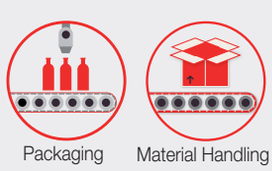
Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	65 DURO GRAY NEOPRENE R24	HIGH DURO PINK NEOPRENE R25	LOW DURO BLACK NEOPRENE R35
			
SAMPLE BOOK REFERENCE N°	RU 61	RU 62	RU 63
COLOURS	●	●	●
RAW MATERIAL	Polychloroprene	Polychloroprene	Natural Rubber
HARDNESS (ShA)	60-70	65-75	40-50
COATING AND BELT COHESION METHOD	One Shot Curing	One Shot Curing	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	1,0 - 13,0	1,0 - 13,0	1,0 - 13,0
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE(°C)	-25 /+80	-20 /+90	-20 /+85
COEFFICIENT OF FRICTION (1) CoF	0,65	0,60	0,55
MIN. PULLEY DIAMETER (2)	Ø min. +TKx5(****)	Ø min. +TKx5(****)	Ø min. +TKx5(****)
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Good	Good	Fair
OIL RESISTANCE**	Good	Good	Good
FOOD CONTACT APPROVED	Yes	No	No
FEATURES/BENEFITS	Cover offering medium ShA, non-marking compound. Formulated with FDA materials. Only available on rubber base belts.	Cover offering non-marking compound. Good friction properties and heat resistance. Only available on rubber base belts.	Cover offering high friction, non-marking feature. Only available on rubber base belts.
INDUSTRIES	 Packaging Material Handling	 Packaging Material Handling	 Packaging Material Handling

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

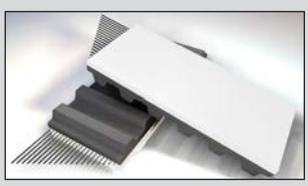
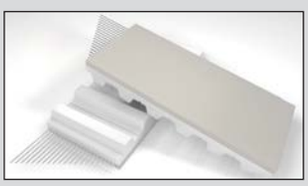
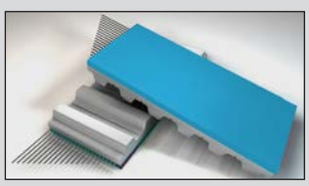
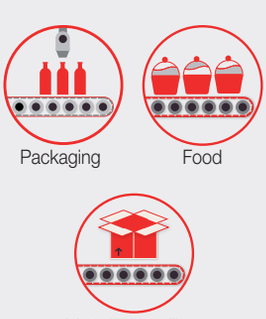
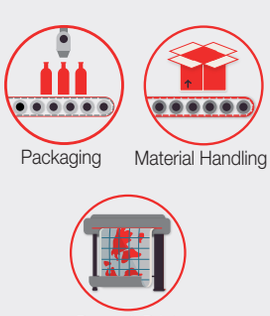
RUBBER

	65 DURO RED NITRILE/PVC	BLUE FDA NEOPRENE 65	STATIC DISSIPATING NEOPRENE ISEPO
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	RU 42	RU 43	RU 65
COLOURS			
RAW MATERIAL	Nitrile - PVC	Polychloroprene	Polychloroprene
HARDNESS (ShA)	63 - 70	63 -73	67-77
COATING AND BELT COHESION METHOD	One Shot Curing	One Shot Curing	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	1,6 - 12	1,6 - 12	1,0 - 13,0
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-10 /+110	-35 /+105	-20 /+80
COEFFICIENT OF FRICTION (1) CoF	0,80	0,80	0,60
MIN. PULLEY DIAMETER (2)	Ø min. +TKx5(****)	Ø min. +TKx5(****)	Ø min. +TKx5(****)
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Fair	Very good	Good
OIL RESISTANCE**	Very good	Good	Good
FOOD CONTACT APPROVED	No	Yes	No
FEATURES/BENEFITS	Cover offers a blended compound feature provides and good CoF, along with good oil resistance. Only available on rubber base belts.	Cover offers good resistance to weather and ozone environments. Self extinguishing. Good resistance to acid solutions. Formulated with FDA materials. Only available on rubber base belts.	Cover used on belts requiring high conductivity. Compound exceed the ISO/RMA classification for antistatic, static dissipating belts. Only available on rubber base belts.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

RUBBER

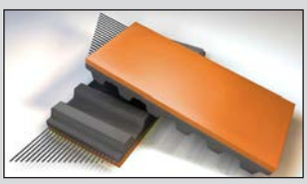
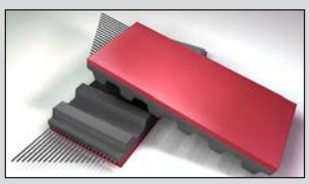
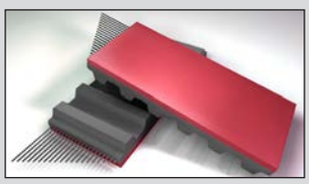
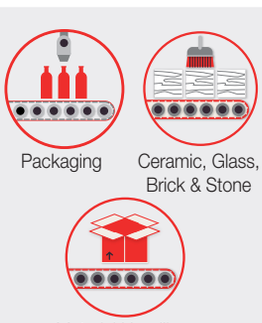
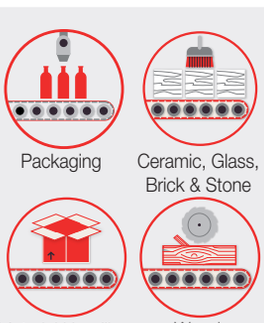
Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	LOW DURO WHITE NEOPRENE R92	TAN NATURAL RUBBER 40	BLUE ANTI GLAZE NATURAL RUBBER
			
SAMPLE BOOK REFERENCE N°	RU 66	RU 44	RU 45
COLOURS			
RAW MATERIAL	Polychloroprene	Natural Rubber	Natural Rubber
HARDNESS (ShA)	35-45	40	40
COATING AND BELT COHESION METHOD	One Shot Curing	Vulcanisation	Vulcanisation
STANDARD COVER THICKNESS RANGE (mm)	1,0 - 10,0	2,4 to 14	2,4 to 14
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+90	-20 /+80	-20 /+80
COEFFICIENT OF FRICTION (1) CoF	0,65	0,60	0,55
MIN. PULLEY DIAMETER (2)	Ø min. +TKx5(****)	x 20	x 20
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Good	Good	Good
OIL RESISTANCE**	Good	Poor	Poor
FOOD CONTACT APPROVED	Yes	No	No
FEATURES/BENEFITS	Cover offers low ShA non marking compound, offers high CoF and good wear resistance. Formulated with FDA materials. Only available on rubber base belts.	Cover offers non marking high CoF surface. Average wear and tear and abrasion resistance.	Cover offers a high Cof and good wear resistance. Anti glazing characteristic predestinated for high speed paper feeder.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

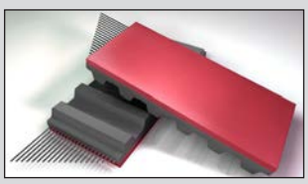
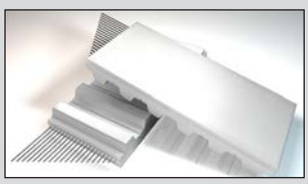
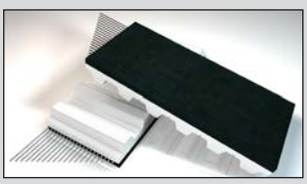
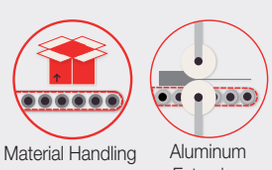
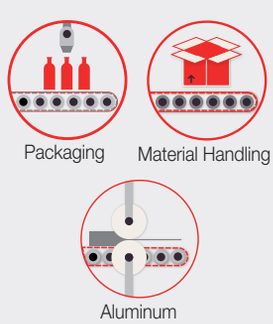
RUBBER

	DURATAQ™	DURATAQ™ PLUS	RED NATURAL RUBBER 40
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	RU 46	RU 76	RU 47
COLOURS			
RAW MATERIAL	Natural Rubber	Natural Rubber	Natural Rubber
HARDNESS (ShA)	45	60	40
COATING AND BELT COHESION METHOD	Vulcanisation	Vulcanisation	Vulcanisation
STANDARD COVER THICKNESS RANGE (mm)	2,4 to 14	2,4 to 14	2,4 to 14
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+100	-20 /+100	-20 /+80
COEFFICIENT OF FRICTION (1) CoF	1,10	0,6	0,50
MIN. PULLEY DIAMETER (2)	x 20	x 30	x 20
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Very good	Very good	Fair
OIL RESISTANCE**	Poor	Poor	Poor
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Cover is an alternative to LINATEX™ offering a custom blended proprietary rubber which has a high CoF and very good abrasion resistance.	Cover offers a proprietary custom blended rubber which has a good CoF and very good abrasion resistance.	Cover offering low durometer ShA and very good high friction.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

RUBBER

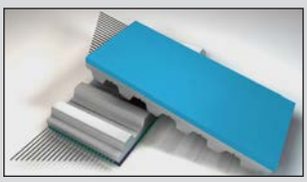
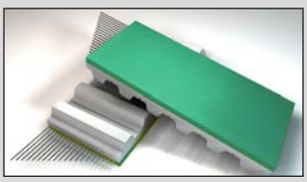
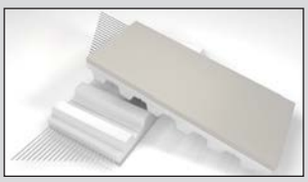
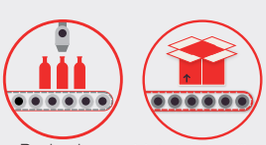
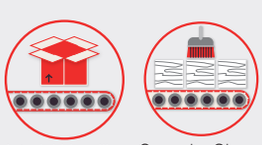
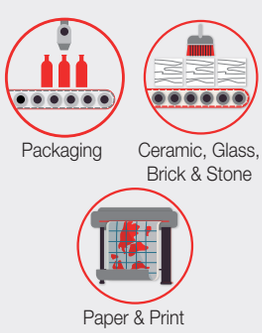
Please ask our Team for more information about avalability, minimum quantity, and delivery time.

	RED NATURAL RUBBER 60	WHITE NITRILE 40	BLACK NEOPRENE	
				
SAMPLE BOOK REFERENCE N°	RU 77	RU 49	RU 50	
COLOURS	●	○	●	
RAW MATERIAL	Natural Rubber	Carboxilate Nitrile	Neoprene	
HARDNESS (ShA)	60	40	50	70
COATING AND BELT COHESION METHOD	Vulcanisation	Vulcanisation	Lamination	Vulcanisation
STANDARD COVER THICKNESS RANGE (mm)	2,4 to 14	2,4 to 14	3-12	0,8 to 15
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3	
WORKING TEMPERATURE (°C)	-20 /+100	-20 /+120	-20 /+60	-10 /+100
COEFFICIENT OF FRICTION (1) CoF	0,5	0,70	0,60	
MIN. PULLEY DIAMETER (2)	x 30	x 25	x 30	
WATER RESISTANCE	Good	Good	Good	
ABRASION RESISTANCE	Good	Good	Good	
OIL RESISTANCE**	Poor	Very good	Good	
FOOD CONTACT APPROVED	No	Yes	No	
FEATURES/BENEFITS	Covers offering good friction and good abrasion resistance. Higher abrasion resistance than NATURAL RUBBER 40.	Cover offering the benefit high friction and good wear resistance. The very good oil resistance in moderate temperature up to +120°C offers a wide range of applications.	Cover offering high CoF and moderate abrasion / water / oil resistance in ambient temperatures.	
INDUSTRIES				

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

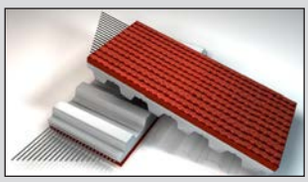
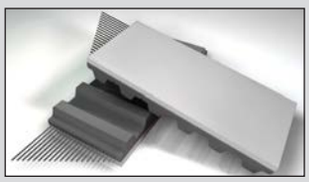
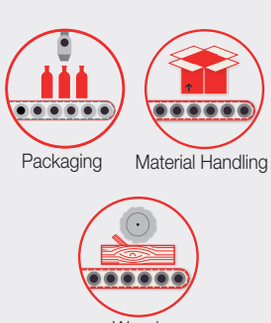
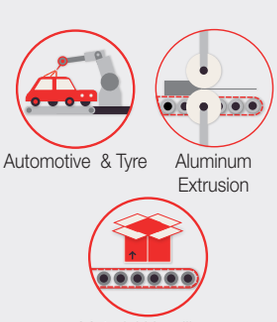
COVERS

RUBBER

	BLUE NATURAL RUBBER 55	GREEN NITRILE 55	TAN NEOPRENE 55
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	RU 51	RU 52	RU 53
COLOURS			
RAW MATERIAL	Natural Rubber	Nitrile	Neoprene
HARDNESS (ShA)	55	55	55
COATING AND BELT COHESION METHOD	Vulcanisation	Vulcanisation	Vulcanisation
STANDARD COVER THICKNESS RANGE (mm)	2,4 to 14	2,4 to 14	2,4 to 14
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 0,3	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+80	-20 /+120	-20 /+120
COEFFICIENT OF FRICTION (1) CoF	0,40	0,70	1,60
MIN. PULLEY DIAMETER (2)	x 25	x 30	x 30
WATER RESISTANCE	Good	Good	Good
ABRASION RESISTANCE	Good	Very good	Good
OIL RESISTANCE**	Poor	Very good	Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Cover offering high CoF, good wear resistance, very good water resistance.	Cover offering high CoF and moderate abrasion / water / oil resistance in ambient temperatures.	Cover offers high CoF and good wear resistance.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

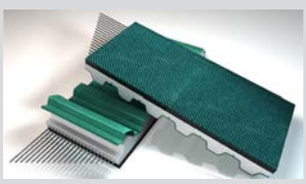
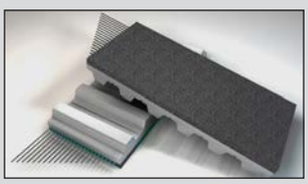
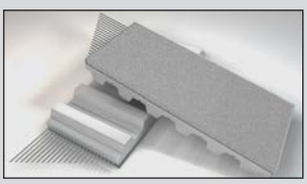
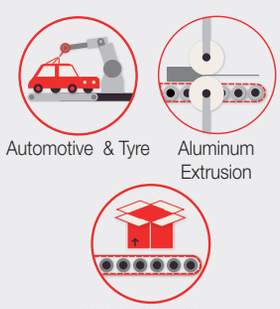
RUBBER

	HONEYCOMB	70 DURO GREY HNBR - HTG
Please ask our Team for more information about avalability, minimum quantity, and delivery time.		
SAMPLE BOOK REFERENCE N°	RU 78	RU 80
COLOURS		
RAW MATERIAL	Natural Rubber	HNBR
HARDNESS (ShA)	50	66-76
COATING AND BELT COHESION METHOD	Lamination	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	4,5 to15	1 - 10
TOLERANCE COVER THICKNESS	+/-0,5	+/- 0,3
WORKING TEMPERATURE (°C)	-20 /+60	-30 /+150
COEFFICIENT OF FRICTION (1) CoF	0,60	0,55
MIN. PULLEY DIAMETER (2)	x 30	Ø min. +TKx5(****)
WATER RESISTANCE	Very good	Good
ABRASION RESISTANCE	Very good	Good
OIL RESISTANCE**	Poor	Very Good
FOOD CONTACT APPROVED	No	No
FEATURES/BENEFITS	Cover offering high friction rough top surface, applicable for slight height compensation, low shock absorption capabilities. Improved adhesion even in case of moisture and dirt for use on lower angle incline product movement.	Cover offers higher temperature applications where UV resistance is needed. Only availabe for 8M, H and T10 belt profiles. Only available on rubber base belts.
INDUSTRIES		

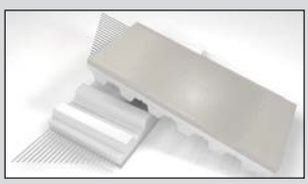
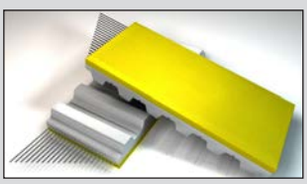
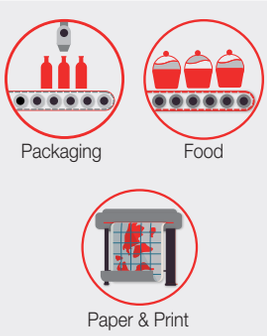
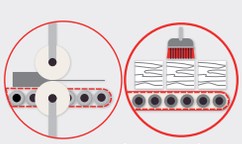
(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values.. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. in case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

COVERS

OTHERS

	NFB/NFT	TT60	CHROME LEATHER
Please ask our Team for more information about avalability, minimum quantity, and delivery time.			
SAMPLE BOOK REFERENCE N°	OTH 54	OTH 55	OTH 56
COLOURS	(Antistatic)		
RAW MATERIAL	Nylon Fabric	Felt	Leather
HARDNESS (ShA)	-	55	65
COATING AND BELT COHESION METHOD	Co-extrusion Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	0,15	2	2 to 3
TOLERANCE COVER THICKNESS	0,6 by Laminating	+/- 1	+/- 0,5
WORKING TEMPERATURE (°C)	-20 /+80	-10 /+120	0 /+60
COEFFICIENT OF FRICTION (1) CoF	0,25	0,40	0,40
MIN. PULLEY DIAMETER (2)	According to the cover FEATURES.	120 mm	x 50
WATER RESISTANCE	Good	Poor	Good
ABRASION RESISTANCE	Fair	Very good	Good
OIL RESISTANCE**	Fair	Fair	Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	NFT/NFB offers low friction for accumulation as well as low noise benefits and is usually applied Co-extrusion on base belts. In this case the min. pulley diameters indicated for each belt type and pitch are valid. Antistatic version available.	Antistatic cover provides a soft, non-marking, and good oil resistance surface for moving sharp, oily surface parts. Works well downline in complement to Kevlar® for higher temperature conveying.	Cover has a roughened surface that offers very good oil / grease resistance and good cut resistance for moving sharp oily parts.
INDUSTRIES			

(1) Coefficient of Friction (CoF): Determined by the static value against a steel guide; however, consideration must be given to the specific environmental conditions (contamination and/or wear resistance) and aging on the cover. (2) Minimum Pulley Diameter (Pd) = desired cover thickness x given multiplier: i.e. 2mm cover thickness x 30 (given) = 60mm min. Pd. If the minimum diameter of base belt is larger than the calculated cover minimum Pd, use the larger of the two values. *= total belt thickness. **= the resistance to lubricant oil strongly depends by additive package, chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered. *** = with add. grinding +/- 0,3 mm possible. ****= Ø min. is the minimum allowable diameter in mm for the base belt and TK the total thickness of the belt +coating.

	SILICONE*	KEVLAR® FELT
Please ask our Team for more information about avalability, minimum quantity, and delivery time.		
SAMPLE BOOK REFERENCE N°	OTH 57	OTH 79
COLOURS		
RAW MATERIAL	Silicone	Aramide
HARDNESS (ShA)	25 to 70	-
COATING AND BELT COHESION METHOD	See Coating Section page 44	Lamination
STANDARD COVER THICKNESS RANGE (mm)	0,5 - 10	6 - 8
TOLERANCE COVER THICKNESS	+/- 0,3	+/- 1,0
WORKING TEMPERATURE (°C)	-40 /+230*	-20 /+450
COEFFICIENT OF FRICTION (1) CoF	Values on request	Values on request
MIN. PULLEY DIAMETER (2)	x 20	-
WATER RESISTANCE	Good	Poor
ABRASION RESISTANCE	Poor	Good
OIL RESISTANCE**	Good	Poor
FOOD CONTACT APPROVED	Yes	No
FEATURES/BENEFITS	Cover offers high temperature resistance, excellent grip and ease of product release, making cleanup of materials such as adhesives easy. Formulated with FDA materials. *Temperature resistance depends on silicone type. For more details ask to our team.	Excellent heat resistance for high temperature applications such as aluminum extrusion
INDUSTRIES	 Packaging, Food, Paper & Print	 Aluminum Extrusion, Ceramic, Glass, Brick & Stone

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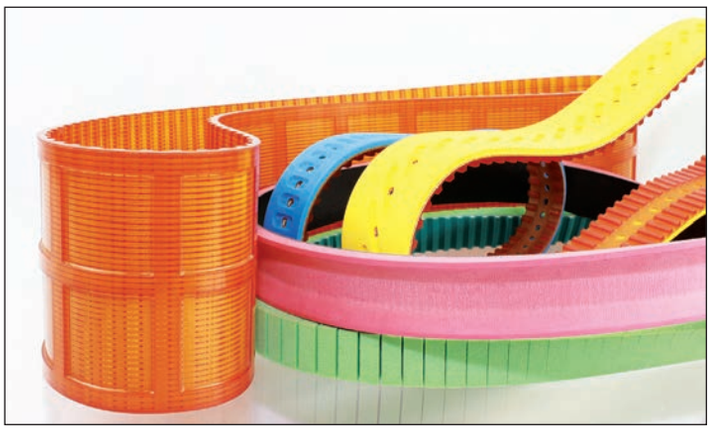
MODIFICATIONS

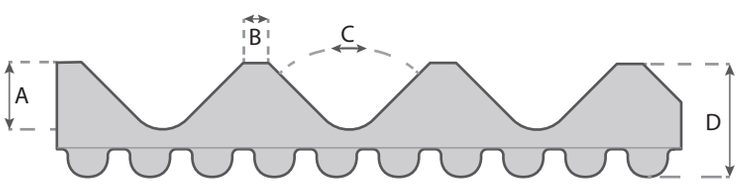
CUSTOM COVER MODIFICATIONS

Enhanced processes, skilled personnel, an innovative spirit and ongoing capital equipment investments, enable Megadyne to stay at the forefront of new design developments and solution delivery to customers across the spectrum of industries we serve. Let a Megadyne Technical Sales Representative or Application Engineer create the right belt to deliver optimum performance for your application.

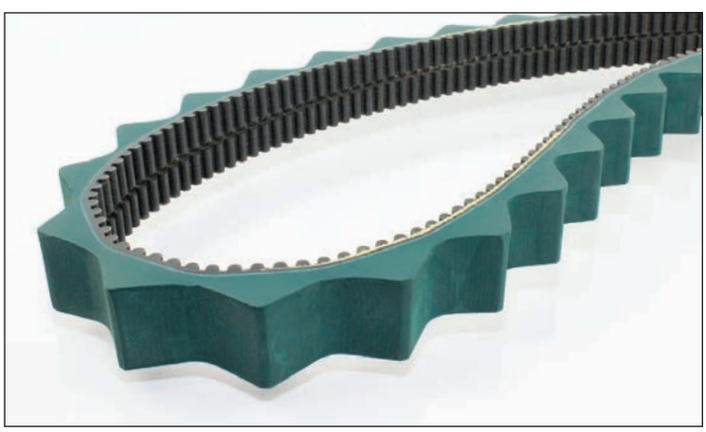
In addition to the materials and process selection of the base belt, Megadyne can fully customise our belts with the following machined modifications:

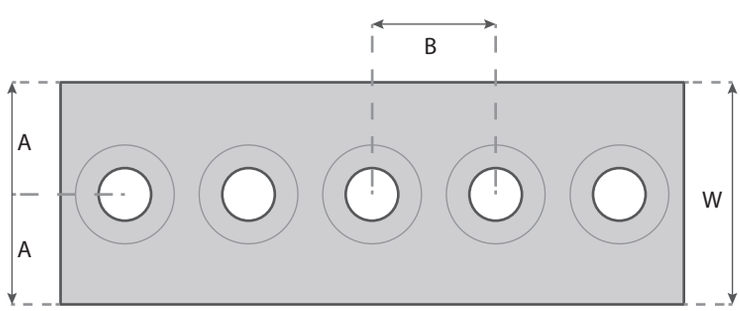
- Custom shapes
- Grinding
- Notching/Knife Cut
- Fabric added to the tooth side of belt
- Vacuum Countersinks
- Holes/Perforations
- Pockets
- Slots
- Saw Tooth
- Grooves
- Water cut



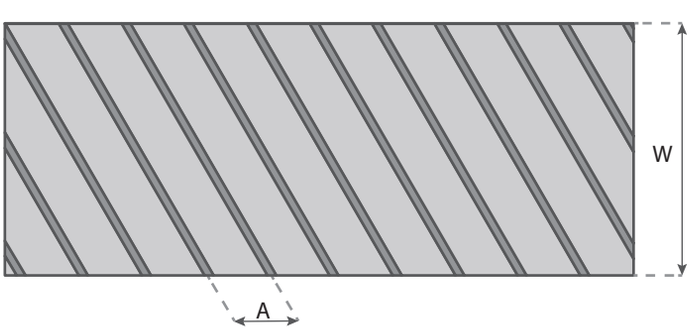


Deep Groove in Cover

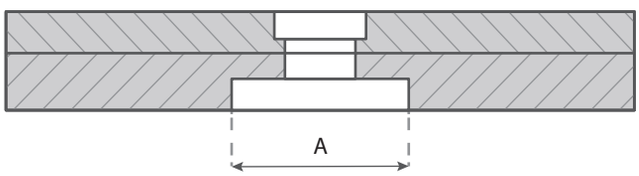




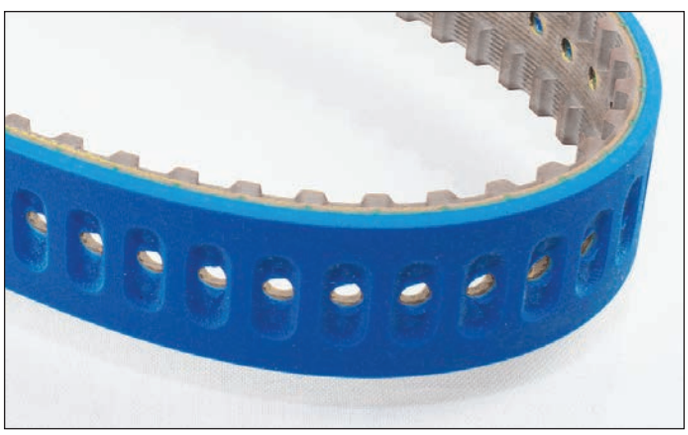
Countersink with Punch

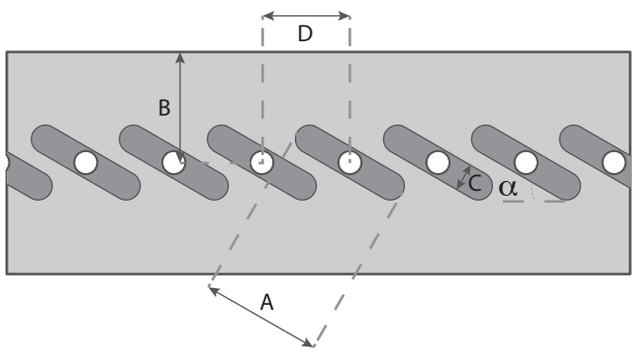


Diagonal Sipes

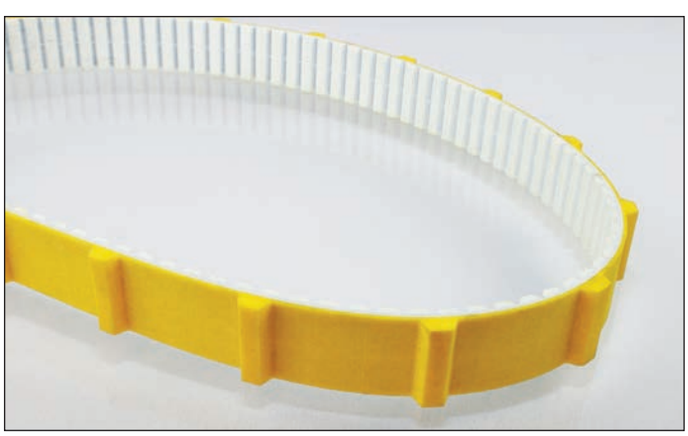


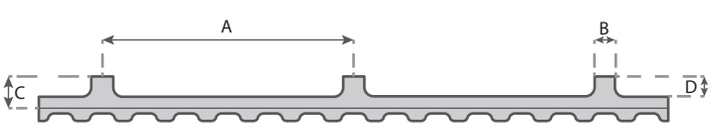
Tooth Side Grind



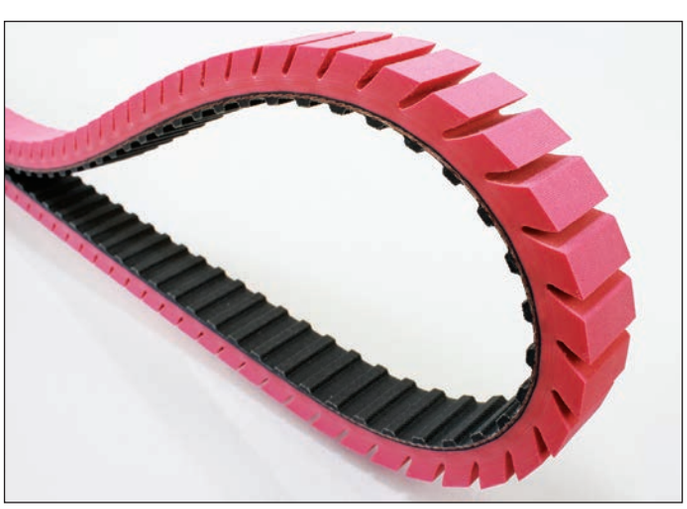


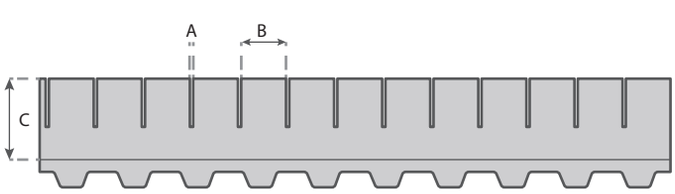
Slots with Holes





Profiles Grooved in Cover





Knife Cut

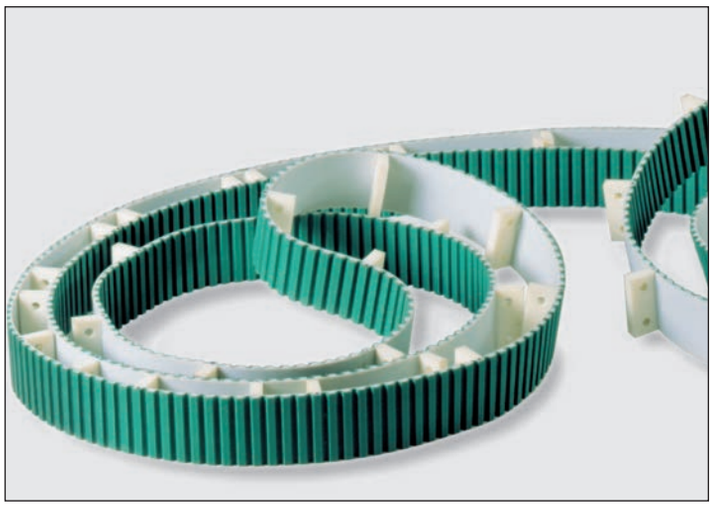
CLEATS

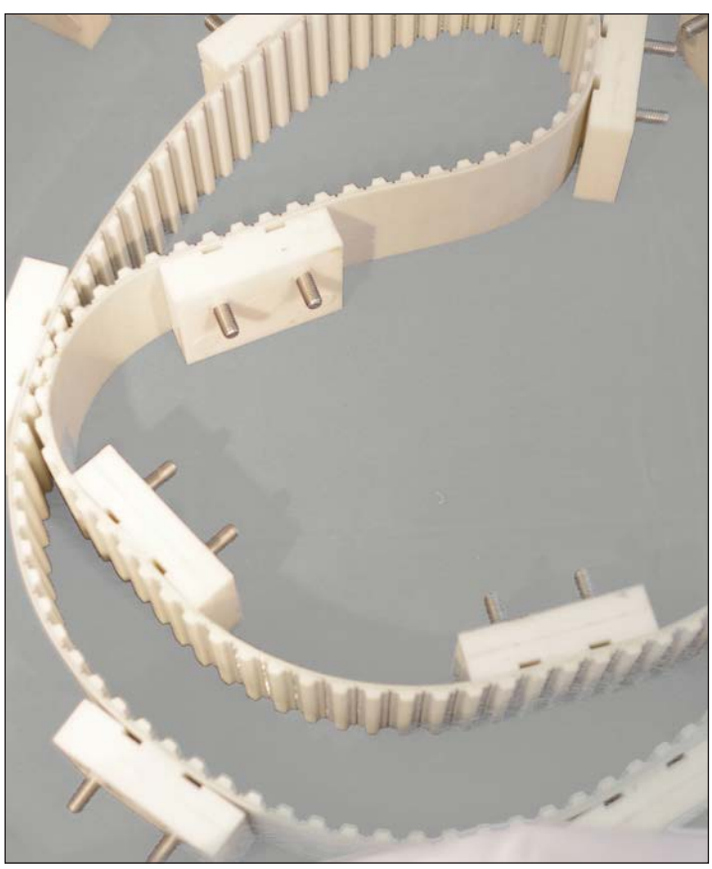
MEGALINEAR and MEGAFLEX timing belts can be customised with profiles welded on the backside of the belt.

All cleats, whether injection moulded or CNC machined are made with thermoplastic polyurethane.

Cleat Design is determined by the application requirements of the cleat and the size of the product required. Using our flexible production capabilities Megadyne can design any cleat shape to meet the specific requirements of the customer:

- CNC machined from thermoplastic PU sheet
- Injection moulded
- The cleats are attached by using high frequency vibration, hot blade, infrared welding or chemical bonding.





CLEAT MATERIALS

Our standard cleat is made with 92° ShA white polyurethane. This material is also used to produce MEGALINEAR and MEGAFLEX timing belt. Cleats can also be supplied in different durometers and in alternative urethane colours. Contact Megadyne for more details.

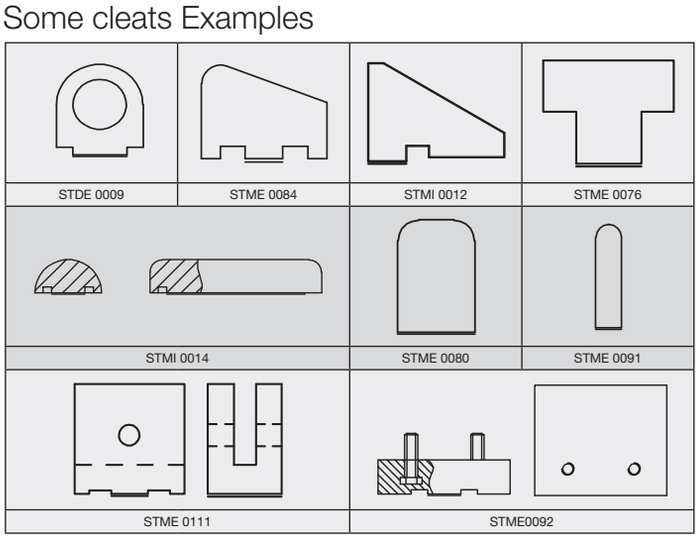
In applications where a hard and wear resistant cleat is required, a harder durometer like 96 ShA can be provided. Additionally, Megadyne can mould glass fibre reinforced polyurethane. For additional specials including elastomers with metal inserts, contact Megadyne to discuss your application specific needs.

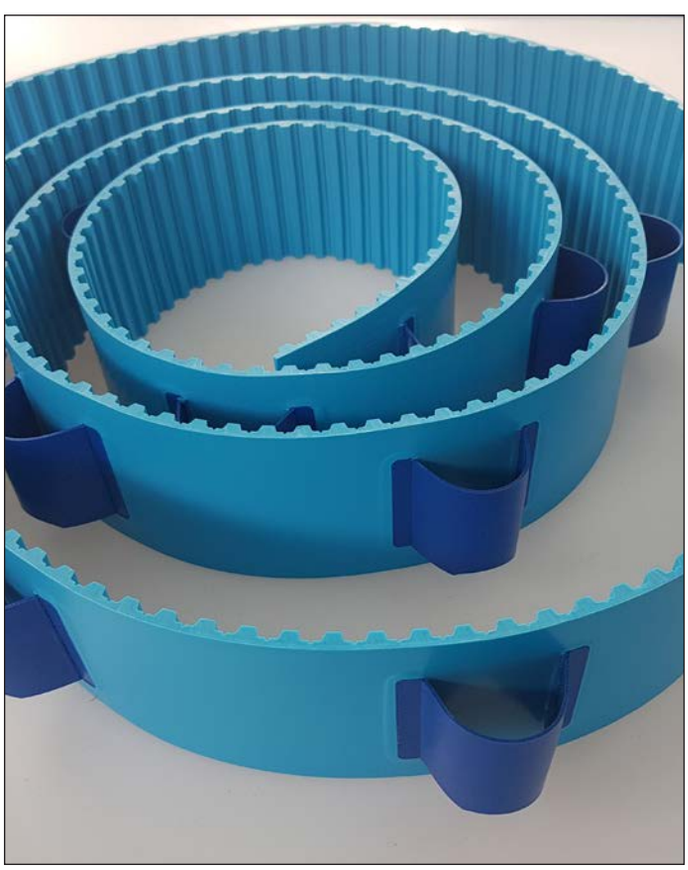
In addition to our standard 92 ShA or harder 96 ShA urethane, Megadyne can provide EU Food compliant, FDA compliant blue or transparent polyurethane for the food and pharmaceutical industry with a hardness of 85 ShA. Blue cleats made with the same FDA material as our blue belt are available to ensure materials compatibility for use in food applications. Selection of the cleat material can be also dependant on the environment temperature (at low ambient temperatures low hardness is recommended). In general, individual cleat colours deviating from the standard can be produced according to indicated RAL number and under consideration of a min. quantity.

LOOKING FOR CUSTOM CLEATS?

Are you looking for a different profile other than those shown above? We have many different profiles, including custom, for your belt application. Contact our team for more information.

Some cleats Examples





DIMENSIONAL TOLERANCES

The dimensional accuracy of injection-moulded cleats depends on the shrinking behaviour of the selected polyurethane and the size and shape of the cleat.

- Injection-moulded cleats have a general tolerance of up to +/– 0.3 mm.
- Mechanically processed cleats have a general dimension tolerance of up to +/– 0.5 mm.
- Smaller tolerances can be achieved depending on the cleat material and must by requested case by Case

METHODS USED TO WELD CLEATS (HIGH FREQUENCY, INFRARED & HOT BLADE)

Depending on the shape and quantity of cleats to be welded, thermoplastic cleats can be welded using one of several options. When heating the cleat and base belt, polyurethane melts and creates a bead around the welding point

To avoid any negative impact of this bead on the transport side it will be cleaned accordingly to secure the precise positioning of the transport goods.

In some specific cases, a suitable tool is needed to fully remove the welding bead. The cleaning of welding beads on cleats with glass-fibre reinforcement should be avoided in general.

In some specific cases, a suitable tool is needed to fully remove the welding bead. The cleaning of welding beads on cleats with glass-fibre reinforcement should be avoided in general. Additional to the bead the welded cleat loses height during the welding process. This height loss is called burn-off and is taken into consideration during cleat design and production.

COLD WELDING (CHEMICAL BONDING)

During chemical bonding, the thermoplastic polyurethane cleat is permanently connected with the thermoplastic polyurethane base belt.

Chemical bonding is preferably used for flat, round and thin-walled cleats, as in contrary to the hot welding no material melts off, no welding beads and no burn-off occurs.

Glass-fibre reinforced polyurethanes cannot be chemically bonded.

SPECIAL CLEAT DESIGNS

Megadyne can use components made from food contact approved conveyor belts as cleats, applied with high-frequency technology to TPU timing belt. This hybrid construction is perfect for food applications, such as fruit conveying.

FALSE TEETH

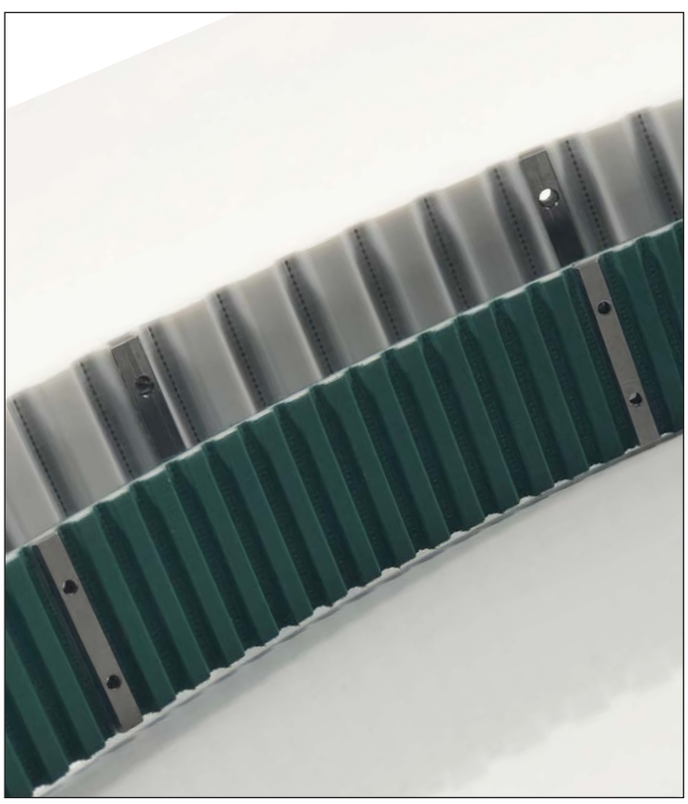
Our False Tooth product is designed to provide an easy mechanical attachment option for placement of cleats and other profiles and shapes to H, AT10 and AT20 pitches. False teeth can be added to Megalinear endless joined/ open end, Megaflex truly endless and Megapower urethane timing belts.

The use of our false teeth concept is a smart design solution where mechanical attachments can be used to offer flexibility of adjustment and positioning in applications where sortation, actuation and product separation is needed such as in pick and place systems, inserting and cartoning machines found in the packaging industry. Megadyne's false tooth attachment option provides a method to reposition or replace broken cleats without the need to replace belts, thus saving time and money.

Additionally, False Teeth used to mount mechanical attachments and can be a solution in applications where the forces placed against conventional weld on cleats are too high and not robust enough to withstand the loads placed on them, which can lead to pull off failure.

Megadyne standard false tooth material is AISI 304 Stainless steel.

Contact Megadyne to discuss other material options.



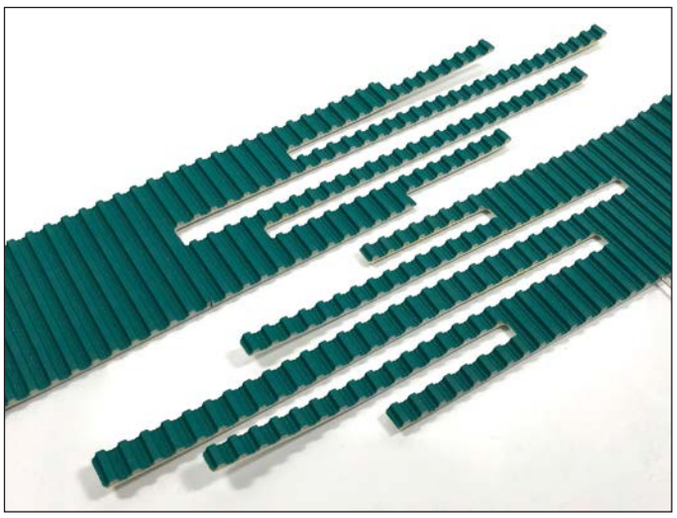
ADVANTAGES OF MEGADYNE FALSE TEETH:

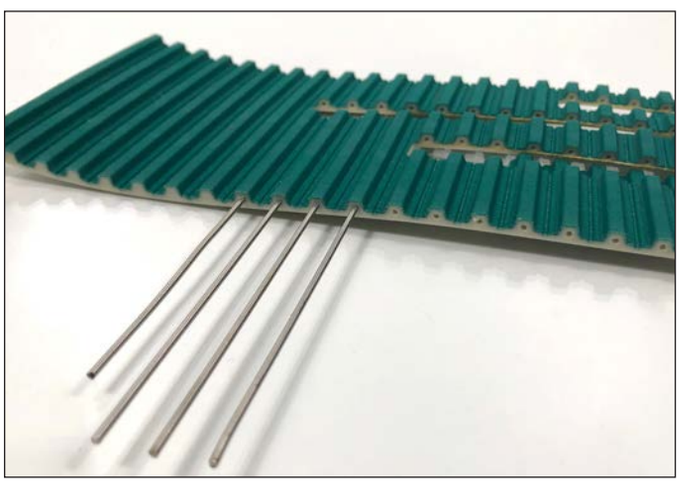
- Easy installation and removal of cleats
- Precise profile positioning
- Reduction cost in assembly and maintenance:
- Low cost cleat spare part in case of wear and tear
- No removal of belt needed to replace cleats
- Different cleat materials can be used
- Stainless steel false teeth suitable for food & pharmaceutical industry
- Available with NFT/NFB, FDA Urethane and with steel aramid or stainless steel cords. Self tracking belts can also be provided.
- Available on MEGALINEAR JOINED, MEGAFLEX and MEGAPOWER in all possible executions as NFT or NFB, FDA, steel, aramid or stainless steel cord, with or without self-tracking guide

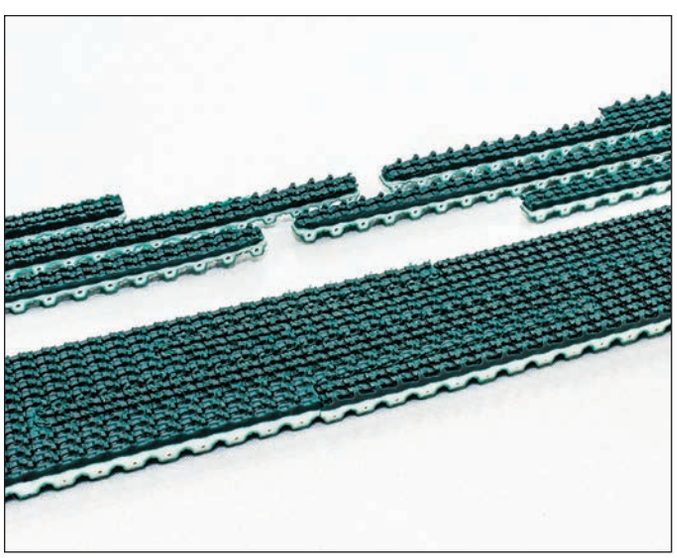
AVAILABLE ON FOLLOWING BELTS:

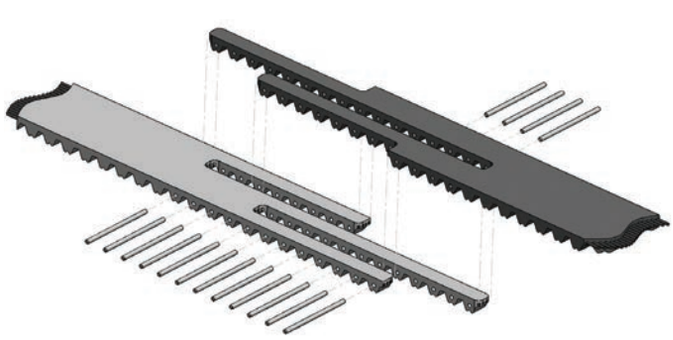
Pitch and Width	Hole Spacing (mm)	# of Holes	Diameter of Hole (mm)	Post Thread Size
H50	25	2	6 +/-0,3	M4
25AT10	12 +/-0,2	2	6 +/-0,3	M4
32AT10	20 +/-0,2	2	6 +/-0,3	M4
50AT10	25 +/-0,2	2	6 +/-0,3	M4
75AT10	25 +/-0,2	3	6 +/-0,3	M4
100AT10	25 +/-0,2	4	6 +/-0,3	M4
25AT20	-	1	7.5 +/-0,3	M5
32AT20	20 +/-0,2	2	7.5 +/-0,3	M5
50AT20	25 +/-0,2	2	7.5 +/-0,3	M5
75AT20	25 +/-0,2	3	7.5 +/-0,3	M5
100AT20	25 +/-0,2	4	7.5 +/-0,3	M5

PROGRESSIVE PIN JOINT SYSTEM (PPJ)









Megadynes' Progressive Pin Joint (PPJ) system is designed to allow the user a simple, reliable method of placing a timing belt on an application without the need to tear apart the conveyor or join the belt endless on line. PPJ is a perfect option for parallel path belts where the load being moved is spread across several belts. Installation and replacement of belts is fast, simple and cost saving.

PPPJ is available for the following belt types:

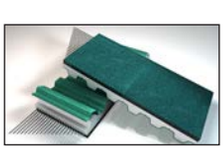
PPJ AVAILABILITY			
BELT TYPE	**WIDTH (mm)**	**BELT TYPE**	**WIDTH (mm)**
T10/AT10	25	**T20/AT20/ATG20**	75
TG10 K6	25	**MTD8/RPP8**	20
T10/AT10	32	**MTD8/RPP8**	30
T10/AT10	50	**MTD8/RPP8**	50
T10/AT10	75	**MTD8/RPP8**	85
T10/AT10	100	**MTD8/RPP8**	100
TG10/ATG10	50	**MTD14**	55
T20/AT20	32	**MTD14**	85
T20/AT20	50	**H075**	19,05
HG150	38,1	**H100**	25,4
HG200	50,8	**H200**	50,8

For different widths and/or lengths please ask to our technical Team.

AVAILABLE PITCHES AND CORD TYPES

Standard	HF	Stainless steel
T10, AT10, TG10 ATG10, T20 AT20, MTD8, RPP8	T10, AT10, T20, AT20	T10, AT10, TG10, ATG10, MTD14

AVAILABLE COVERS FOR PPJ BELTS



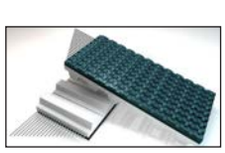
NFT/NFB

AVAFC 60/70/85

APL RED

FISHBONE

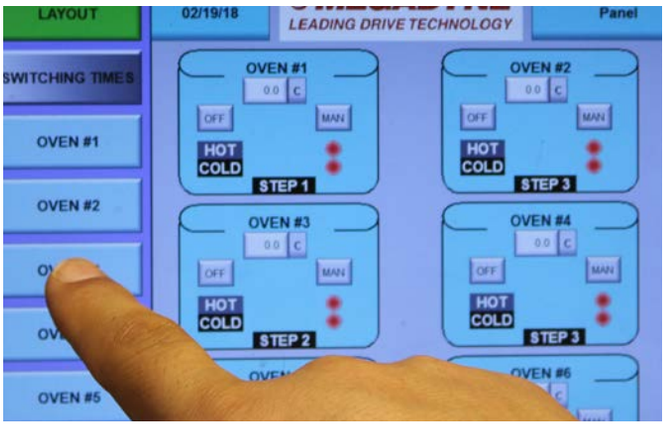
RIBBED



SUPERGRIP PETROL

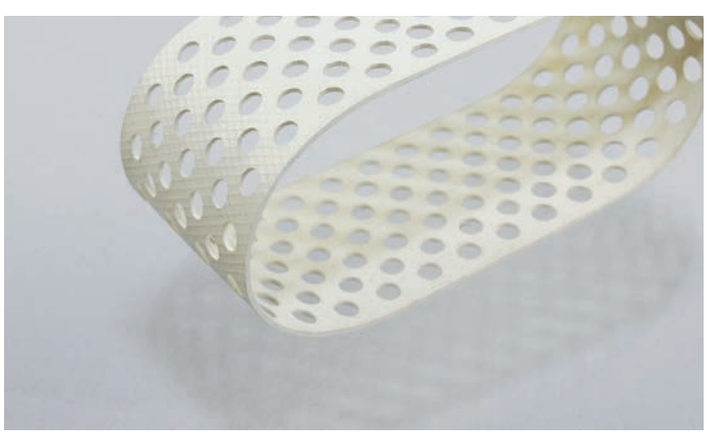
ENGINEERED BELTS

Advanced materials that offer strong, durable, and temperature resistant properties, coupled with unique manufacturing processes developed at Megadyne enable us to custom engineer belts for the most demanding drives across a wide range of product handling applications. Below is a listing of materials designed to offer superior benefits for use in industries ranging from business machines, to aerospace, to medical.
Manufacturing capabilities exist to spin cast, mould, wrap, ultrasonically weld, punch, grind, slit, and moulded materials to create virtually any endless belt configuration you can imagine.



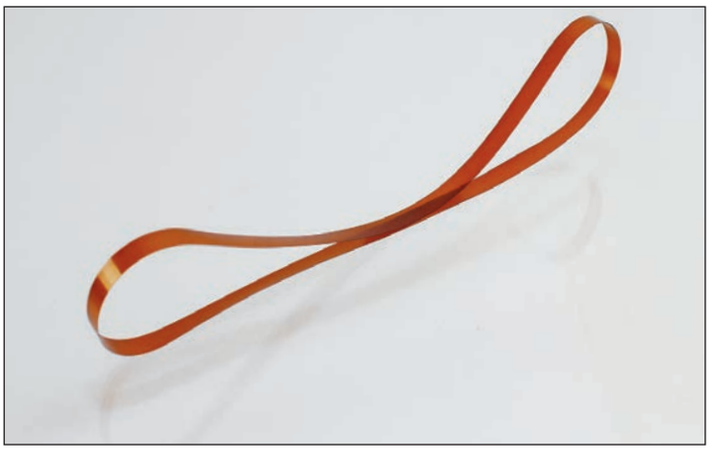
	FILM ULTRASONIC WELDING		SPIN CASTING			VULCANISATION
Material	**Mylar®**	**Kapton®**	**Hytrel®**	**Urethane**	**Silicone**	**Reinforced Silicone**
Hardness (Shore A)	N/A	N/A	30/40/50/60/70	10/90	55	40
Colour	◯					
Thickness Range	0.003-0.014”	0.001-0.005”	0.010 to 0.040"	0.020 to 0.125"	0.5 to 12 mm	1 mm
Working Temp Range (°C)	-70/+160	-100/+380	-40/+100	-20/+80	-40/+230	-40/+230
Water Resistance	Fair	Fair	Fair	Fair	Fair	Fair
Abrasion Resistance	Good	Good	Fair	Fair	Poor	Poor
OIL RESISTANCE**	Fair	Good	Good	Fair	Poor	Poor
FOOD CONTACT APPROVED	Yes	Yes	No	No FDA on request	Contact Customer Support	
Other Benefits	Electrical Insulation	UL94 VO Fire Rating	High Flex Fatigue Resistance	Hydrolytic Stability	Low Coefficient of Friction	Heat/Cold Resis-tance

Mylar®, Kapton® and Hytrel® are registered trademarks of DuPont



Perforations

Urethane with tracking guide



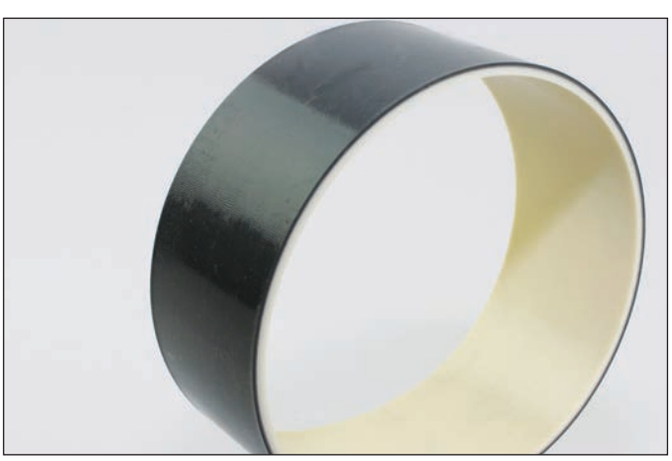
Truly endless Kapton®

Truly endless Hytrel®

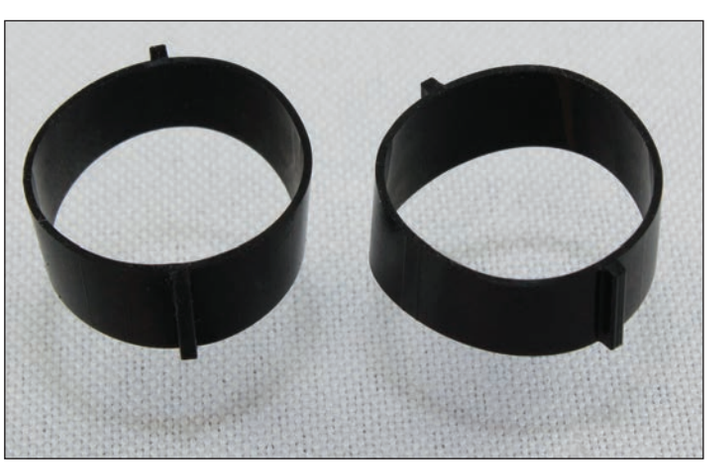
Truly endless Silicone

Reinforced Silicone with guide

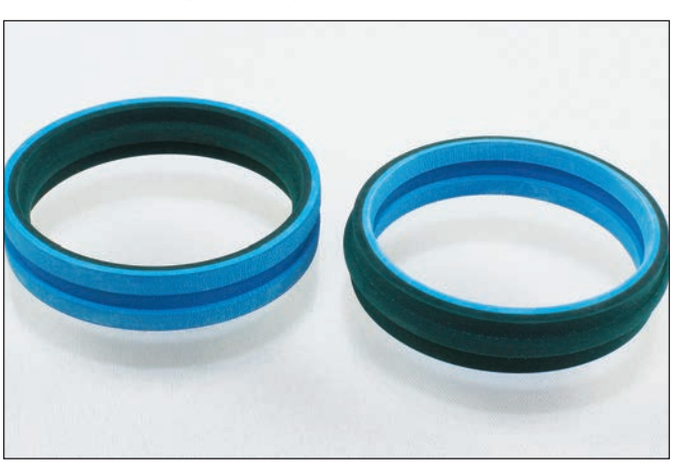
Foam



Truly endless Hytrel® coated with Silicone



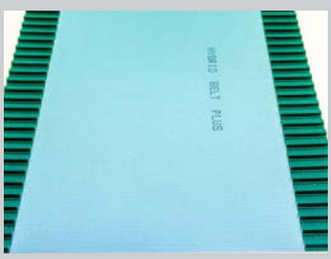
Truly endless Urethane with tabs



Truly endless dual durometer Urethane and Natural Rubber

HYBRID BELTS

Hybrid belts deliver synchronization and conveying features in one belt design. Starting with Megadyne conveyor belts we add extruded timing belts to provide precise positioning and accurate tracking.
Hybrid, Hybrid Plus and Hybrid Pro belts are available with polyurethane or silicone covers and available with the following urethane belt pitches-H, T5, T10, HTD5, HTD8 STD8, QST5, QST8 and QST14. Consult Megadyne for other pitch and tooth shape requests

TYPE	HYBRID	HYBRID PLUS	HYBRID PRO PLUS
			
CONVEYOR BELT	PUCON, SILCON	PUCON, SILCON	PUCON, SILCON
CONVEYOR BELT FABRIC	Rigid polyester	Rigid polyester	Rigid polyester
MEGALINEAR BELT TYPE AND PITCH	H, T5, T10, HTD5, HTD8M, STD8M	H, T5, T10, HTD5, HTD8M, STD8M	QST5, QST8, QST14
MEGALINEAR CORD TYPES	Kevlar®, No cord	Kevlar®, No cord	Kevlar®, No cord
MEGALINEAR DUROMETER/COLOR	92A White	92A White	92A White
MEGALINEAR NFT	Yes	Yes	Yes
# OF MEGALINEAR BELTS	One-centered, belt bottom	Two or more as per customer design	Two, belt edges
MAX BELT WIDTH	1000mm	1000mm	1000mm

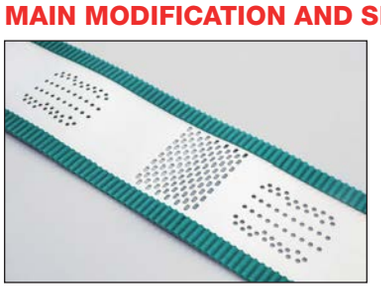
ADVANTAGES

- Driven speeds up to 500M/min.
- Precision positioning
- Energy savings
- Enables compact conveyor designs
- Low noise level

INDUSTRIES

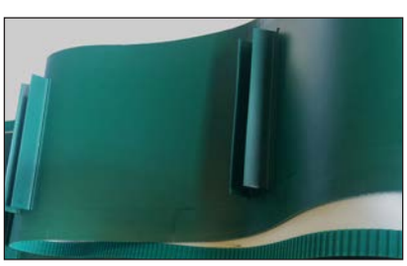
Packaging | Material handling | Medical Industry | Food | Robotics & Automation

MAIN MODIFICATION AND SPECIAL REWORKING



Perforation & Holes

Perforation & Holes



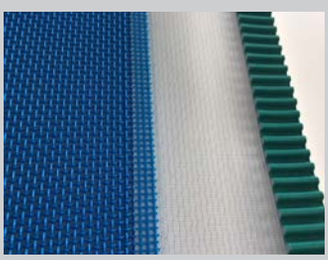
Cleats

HYBRID BELTS FOR VACUUM

Hybrid Vacuum is a unique design where synchronization and an open mesh used for drainage or vacuum are combined into one belt design.

SPIRAFLEX

SPIRAFLEX are grid conveyor belts, specially used for the removal of the product in the hygienic machinery lines and for transport of fresh pasta and liquorice.
In the food industry, Spiraflex replaced the previously traditional metal wire mesh conveyor belts. In the case of conveying fresh pasta or dough, thanks to its properties, Spiraflex allows the steam sprayed by the machinery inside a tunnel, to eliminate the residual flour of the product.
In the case of liquorice transport Spiraflex resists to the steam used to get a glossy finish on the surface of product.

TYPE	HYBRID VACUUM	SPIRAFLEX
		
CONVEYOR BELT	Polyester open mesh with PUCON	Spiraflex
CONVEYOR BELT FABRIC	Rigid polyester	Polyester
MEGALINEAR BELT TYPE AND PITCH	H, T5, T10, HTD5, HTD8M, STD8M	H, T5, T10, HTD5, HTD8M, STD8M
MEGALINEAR CORD TYPES	Kevlar®, No cord	Kevlar®, No cord
MEGALINEAR DUROMETER/ COLOR	92A White	92A White
MEGALINEAR NFT	Yes	Yes
# OF MEGALINEAR BELTS	Two, belt edges	Two, belt edges
MAX BELT WIDTH	1000mm	2000mm
ADVANTAGES	• Driven speeds up to 500M/min. • Precision positioning • Energy savings • Enables compact conveyor designs • Open mesh allows vacuum or drainage	• Excellent suction properties • Customization • Low weight
INDUSTRIES	Packaging, Material handling, Medical Industry, Food, Robotics & Automation	Medical Industry, Food

COATING SILICONE AND NEOPRENE

Megadyne has developed state of the art processes for applying silicone and neoprene to stable and elastic substrates. Ongoing investments in automation with a strategic focus on process controls and high quality repeatability have been made. Through continuous material feed, increased speeds, line efficiency and operator engagement with screen panel controls, we are able to maintain extremely tight manufacturing tolerances and high quality standards.

Coated belts are commonly used in product handling applications where environmental or special handling features are needed. Additionally, a thin coating on certain substrates allow for the finished product to offer low flex enabling the belt to be used on low profile conveyors where designs such as knife edge pulleys are common.

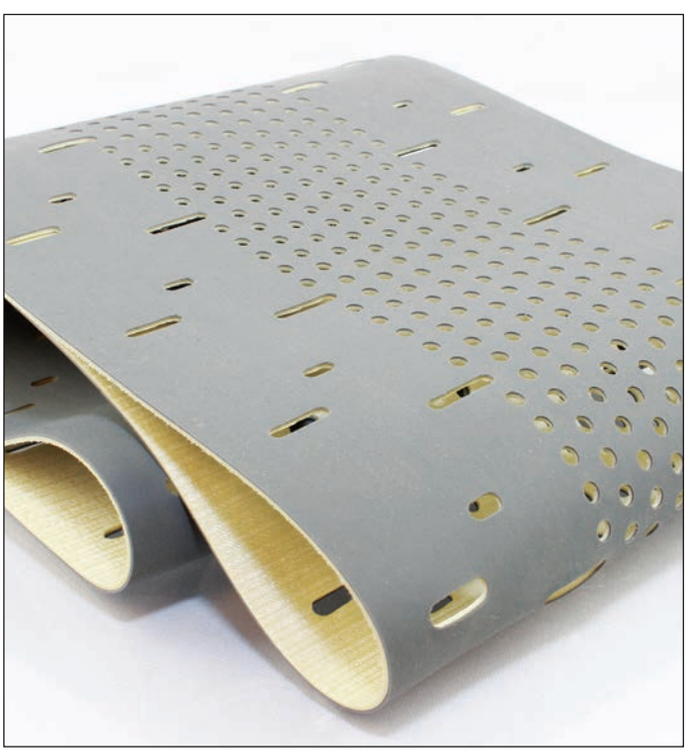
FDA Silicone allows use of our product in applications such as hygienic goods and medical related parts and components. Silicone is an excellent cover material where the use of glues and adhesives are present in product manufacturing and require easy release and clean up. Silicone also has excellent heat resistance making it an ideal solution for applications in high heat environments.

Neoprene rubber can be formulated to provide good chemical and wear resistance, anti-static features and self-extinguishing (UL94V) non-flammable properties for use in precision conveying applications. Our neoprene rubber covers can be applied to various substrates.

Both Silicone and Neoprene coated products can be further customised with modifications such as holes and slots to meet application needs such as vacuum draw

Material	RTV Silicone	Neoprene
Hardness (Shore A)	40, 70 (25-70 capable)	55
Colour	●●●●●	●
Thickness Range (mm)	1-10	0.5-1
Working Temp Range (°C)	-40/+230	-20/+120
Abrasion Resistance	Good	Very Good
Oil Resistance	Poor	Good
FOOD CONTACT APPROVED	yes*	–
Rubber Timing Belts	yes	yes
Molded PU Timing Belts	yes	yes
Open End TPU Timing Belts	yes	yes
Truly Endless Flex TPU Belts	yes	yes
Rubber Multi-Rib V- Belts	yes	yes
Urethane Multi-Rib V-Belts	yes	yes
Rubber Banded V-Belts	yes	yes
Rubber Flat Belts	yes	yes
Woven & Knitted Polyester	yes	yes
Woven Kevlar®	yes	yes
Engineered Belts	yes	–
Foams	yes	–

*Contact Customer Support for Details
Kevlar® is a registered trademark of DuPont



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