SPECIALTY BELT PRODUCT GUIDE

MEGADYNE AMERICAS

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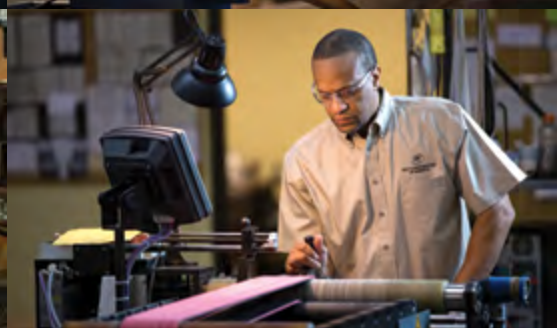

WARNING: This document is recognized as a capabilities and applications guide. While this is not a selling document, we do recognize some items include chemicals that are on the California Proposition 65 list effective August 30, 2018. The chemicals identified within the products included in this document are carbon black (black belts), titanium dioxide (white urethane belts). For specific warnings related to the identified chemicals, refer to the shipping label accompanying receipt of your products. Always wash your hands after handling belts, pulleys and sheaves. For more information visit www.P65WARNINGS.ca.gov.

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INTRODUCTION

Megadyne, headquartered in Mathi, Italy, is a global manufacturer of rubber and urethane belts and associated components used in power transmission, product handling and linear positioning applications.

Founded in 1957, Megadyne developed cast urethane timing belts. Soon after extruded urethane timing belts were developed, the company entered into rubber power transmission and conveyor belt business. Today Megadyne products are manufactured globally, used in all corners of the world and recognized to be among the world's best.

The product range of Specialty Belts has become a more and more important part in the world of Megadyne. For more than 20 years, we have developed various Specialty Belts for our customers and constantly have expanded our production feasibilities and capabilities. In 2013, we invested in a new modern plant with > 2.000 m² in Elchingen, Germany, to create a production and technology center for specialty belts to fulfill requests from the markets/industries we serve.

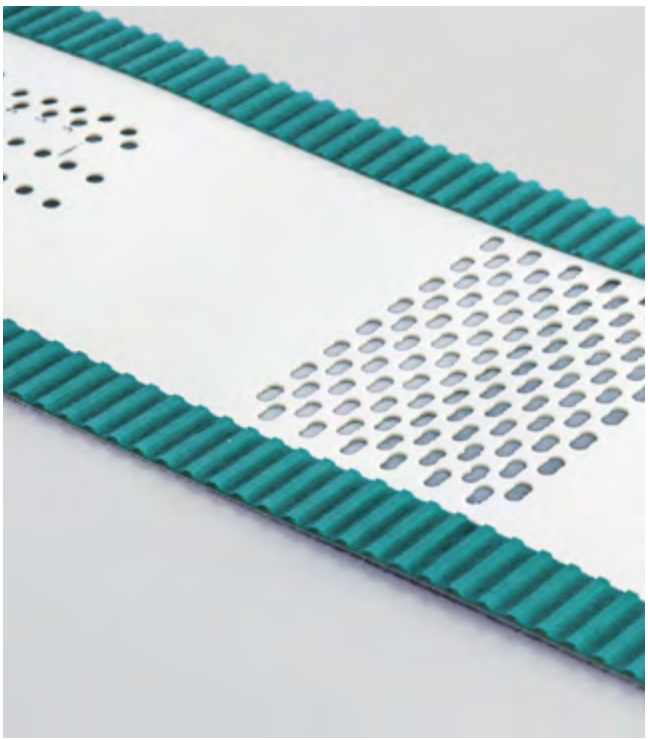
In 2014 Megadyne Group acquired Belt Corporation of America, located in Cumming GA. This acquisition enabled Megadyne to expand its global position in the Specialty Belt product handling field.

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

Today, we can provide our customers with the right Specialty belt solutions for their applications. Starting with a broad range of belts produced by Megadyne at worldwide plants, we vertically integrate these products with our specialty belt manufacturing processes and materials to create covers, cleated belts and other design features that address the exact demands of your application.

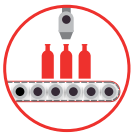
The real strength of our Specialty Belt business starts with our extraordinary and knowledgeable people who understand materials and applications, as well as manufacturing processes that include molding, co-extrusions, lamination, spin casting, special cover and modifications. All this added together provides us with the ability to configure and build the right belt to perform your specific tasks.

Inside this Product Guide, you will find an overview of our various substrate options, materials and processes we 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 want to help. Contact your local Megadyne office to learn more about us. We would be very happy to meet with you and discuss your needs.



INDUSTRIES SERVED

PACKAGING



Megadyne's portfolio of synchronous and non-synchronous belts, including special cover materials, cleated belts, machined modifications and other fabrication types play a key role in delivering solutions for the packaging industry.

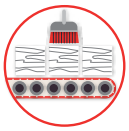
- Carton Forming/Box Erecting/ Box Closing
- Filling Lines
- Blow Molding Machines
- CappingLines
- Cartoning Lines
- Check Weighing
- Feed Lines
- Filling Lines
- Form, Fill and Seal
- Wrapping and Sealing
- Labeling

FOOD

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

- 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 fitted 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
- Beveling 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 are a Megadyne specialty.

- Banking Equipment
- Printing Equipment
- Bindery Equipment
- Mail Handling Equipment
- Collating Machines
- Ticketing Machines
- Newspaper Equipment
- Personal Hygiene Products - Diapers, Wipes

INDUSTRIES SERVED

MATERIAL HANDLING

Strength and repeatability are essential components required in material handling. From a broad range of urethanes and cord options, Megadyne can supply the right belt for your application.

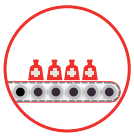
- Live Roller Conveyors
- Cross Sorters
- Pallet and Transport Platform Conveyors
- Gapping Conveyors
- Incline Conveyors
- Line Conveyors
- Diverters
- Offload, Sorting and Delivery Conveyors
- ASRS Systems

ROBOTICS & AUTOMATION

Urethane and rubber high strength synchronous belts are being increasingly incorporated into robotic positioning applications; these commonly include pick and place systems and applications where positional accuracy is required.

- 3D Printing
- Fiber Optics
- X,Y Drives
- Swimming Pool Cleaners
- Security Camera Positioning
- Theatre Lighting Positioning
- Automotive Assembly Welding Systems

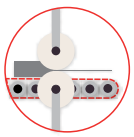
MEDICAL INDUSTRY



Megadyne offers a number of synchronous and non-synchronous clean running options for both light-duty power transmission, positioning and product handling applications.

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

ALUMINUM EXTRUSION



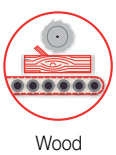
Our belting products are used in a wide range of applications to ensure materials are transported successfully throughout each stage of aluminum production. Megadyne offers tailored solutions to meet your feed requirements as well as high temperature product handling.

... AND MANY MORE...

Automotive & tire

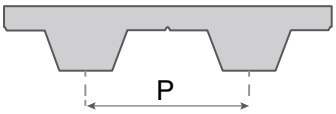
Ricicling

Textile



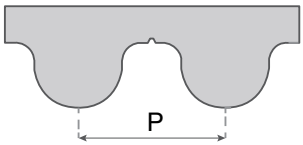
Wood

TRAPEZOIDAL



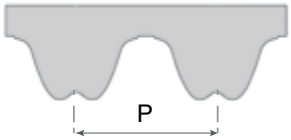
Classical or Imperial tooth shape with 40° tooth angle.
AT pitch in urethane is trapezoidal, but with a 50° tooth angle.

CURVILINEAR - HTD



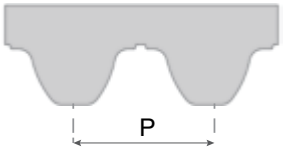
Rounded tooth shape which allows for rolling action in and out of pulley.

PARABOLIC - RPP



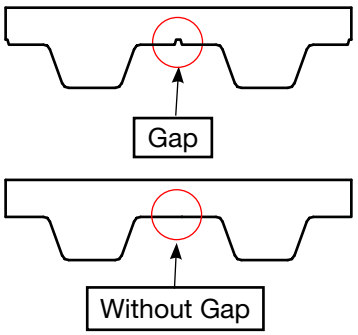
Round sides of the tooth lead to an indented tooth designed to sweep away noise and reduce vibration.

MODIFIED CURVILINEAR



Round sides of the tooth lead to a flat bottom tooth design.

WHAT IS A BELT "WITHOUT GAP"?



Rubber belts are produced without gaps. Urethane belts are primarily produced with gap; without gap Urethane belts are available in T10, AT10 & Megalinear FC products.

BELT SUBSTRATES
TIMING BELTS
AVAILABILITY

PITCH	TOOTH SHAPE	PITCH	UNITS	Rubber Timing Belt	Molded Polyurethane Timing Belt	Open End Polyurethane Timing Belt	Open End Polyurethane Timing Belt w/ integral guide	Truly Endless Polyurethane Flex Belts	Truly Endless Polyurethane Flex Belts - Dual Sided
MXL	Trapezoidal	0.080	inch	yes	yes	yes	-	-	-
XL	Trapezoidal	0.200	inch	yes	yes	yes	-	yes	yes
L	Trapezoidal	0.375	inch	yes	yes	yes	-	yes	yes
H	Trapezoidal	0.500	inch	yes	yes	yes	yes	yes	yes
H WIDE	Trapezoidal	0.500	inch	-	-	yes	-	-	-
XH	Trapezoidal	0.875	inch	-	-	yes	-	yes	yes
STD 2M	Modified Curvilinear	2	mm	yes	-	-	-	-	-
MTD 3M	Curvilinear	3	mm	yes	-	-	-	-	-
STD 3M	Modified Curvilinear	3	mm	yes	-	-	-	-	-
RPP 3M	Parabolic	3	mm	yes	-	-	-	-	-
MTD 5M	Curvilinear	5	mm	yes	-	-	-	-	-
STD 5M	Modified Curvilinear	5	mm	yes	-	-	-	-	-
RPP 5M	Parabolic	5	mm	yes	-	yes	-	yes	yes
MTD 8M	Curvilinear	8	mm	yes	-	-	-	-	-
STD 8M	Modified Curvilinear	8	mm	yes	-	-	-	-	-
RPP 8M	Parabolic	8	mm	yes	-	yes	-	yes	yes
MTD 14M	Curvilinear	14	mm	yes	-	-	-	-	-
STD 14M	Modified Curvilinear	14	mm	yes	-	-	-	-	-
RPP 14M	Parabolic	14	mm	yes	-	yes	-	yes	yes
T2.5	Metric Trapezoidal	2.500	mm	-	yes	yes	-	-	-

BELT SUBSTRATES
TIMING BELTS

AVAILABILITY

PITCH	TOOTH SHAPE	PITCH	UNITS	Rubber Timing Belt	Molded Polyurethane Timing Belt	Open End Polyurethane Timing Belt	Open End Polyurethane Timing Belt w/ integral guide	Truly Endless Polyurethane Flex Belts	Truly Endless Polyurethane Flex Belts - Dual Sided
T5	Metric Trapezoidal	5	mm	-	yes	yes	yes	yes	yes
T10	Metric Trapezoidal	10	mm	-	yes	yes	yes	yes	yes
T10 Wide	Metric Trapezoidal	10	mm	-	-	yes	-	-	-
T10 w/o gap	Metric Trapezoidal	10	mm	-	-	yes	-	-	-
T20	Metric Trapezoidal	20	mm	-	-	yes	yes	yes	yes
AT3	Modified Metric Trapezoidal	3	mm	-	-	yes	-	-	-
AT5	Modified Metric Trapezoidal	5	mm	-	yes	yes	yes	yes	yes
AT10	Modified Metric Trapezoidal	10	mm	-	yes	yes	yes	yes	yes
AT10 w/o gap	Modified Metric Trapezoidal	10	mm	-	-	yes	-	-	-
AT10G	Modified Metric Trapezoidal	10	mm	-	-	-	yes	yes	-
AT15	Modified Metric Trapezoidal	15	mm	-	-	-	-	yes	-
AT20	Modified Metric Trapezoidal	20	mm	-	-	yes	yes	yes	yes
MTD3	Curvilinear	3	mm	-	-	yes	-	-	-
MTD5	Curvilinear	5	mm	-	-	yes	-	-	-
MTD8	Curvilinear	8	mm	-	-	yes	-	yes	-
MTD14	Curvilinear	14	mm	-	-	yes	-	-	-
STD5	Modified Curvilinear	5	mm	-	-	yes	-	-	-
STD8	Modified Curvilinear	8	mm	-	-	yes	-	-	-

Other substrates available. Contact Inside Sales for more information on other substrate offerings and availability.

BELT SUBSTRATES
FLAT BELTS

Megadyne's Specialty Flat Belts are designed for use in product handling and light power transmission applications.

Starting with a variety of elastomer choices and reinforcement types, we can provide the right belt for your specific application need. Our elastomer options include thermoplastic polyurethane, thermoset polyurethane, silicone rubber and neoprene. Reinforcement options include steel, polyester, nylon and Kevlar®/polyester. Reinforcement choice is dependent on your requirement. We can produce the right belt for your application with a stable or elastic belt construction built from a woven endless, knitted or spun cast unsupported base.

Megadyne flat belts can be supplied to your exact dimension or can be further fabricated with covers and a wide variety of machined modifications.

For best results on selecting the correct construction, contact our customer support experts to discuss your application.

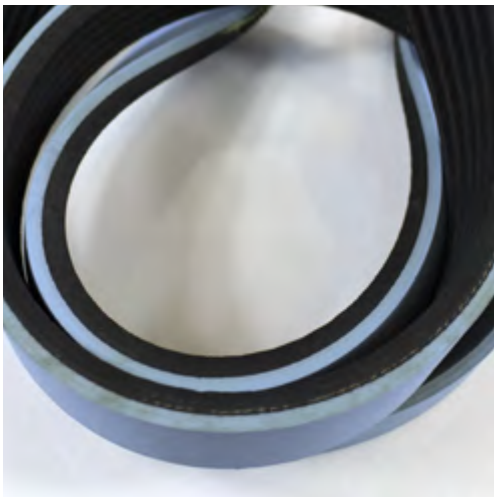
AVAILABILITY - FLAT BELTS

Type	Process	Thickness	Units	92A TPU	50A PU	PU/Silicone	Silicone	Rubber
P1	Extruded	1	mm	yes	-	-	-	-
P2	Extruded	2	mm	yes	-	-	-	-
P3	Extruded	3	mm	yes	-	-	-	-
P4	Extruded	4	mm	yes	-	-	-	-
P110	Coated Knitted Endless	1	mm	-	yes	yes	-	-
P120	Coated Knitted Endless	1.500	mm	-	yes	yes	-	-
P102	Coated Knitted Endless	1.800	mm	-	yes	yes	-	-
P155	Coated Knitted Endless	2	mm	-	yes	yes	-	-
S110	Coated Knitted Endless	1	mm	-	-	-	yes	-
Woven L	Dipped and Cured Woven Endless	0.022	inch	-	-	-	-	yes
Woven 400	Dipped and Cured Woven Endless	0.035	inch	-	-	-	-	yes
Woven Heavy	Dipped and Cured Woven Endless	0.050	inch	-	-	-	-	yes

BELT SUBSTRATES

BANDED & MULTI-RIB V-BELTS

Banded V-belts are made with natural rubber and SBR (styrene-butadiene rubber) which provides excellent wear resistance. Available in B, C and D sizes, these belts have a common backing made with a cotton/polyester - neoprene construction which enhances lateral stability and prevents the belts from turning over or coming off the drive. This belt design, which minimizes vibration, can be covered with several elastomer materials. Our banded belts are reinforced with polyester tensile members. Kevlar® tensile member is available on request. Banded V-belts are commonly used on pulling applications such as extrusion operations. Consult our customer support team for correct combination of section, cord type and suggested cover options for your application.



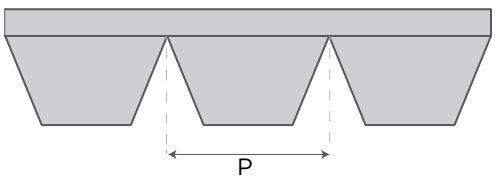
Our Multi-Rib Belts are constructed with a Polybutadiene elastomer designed to provide excellent wear resistance. These rubber belts, made in sleeve form are slit to width to meet the exact width requirement of your application. Thermoset Polyurethane is also available in noted pitches. These belts are reinforced with high strength, stable polyester. High strength Kevlar® is available on request. Multi-Rib V-belts offer excellent tracking ability and frictional drive features. Consult the factory with your specific request.

Multi-Rib and Banded V-Belts are available with special cover materials and machined surfaces to suit any application need.

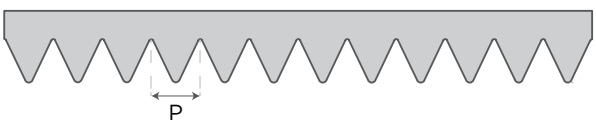
AVAILABILITY - BANDED & MULTI-RIB V-BELTS

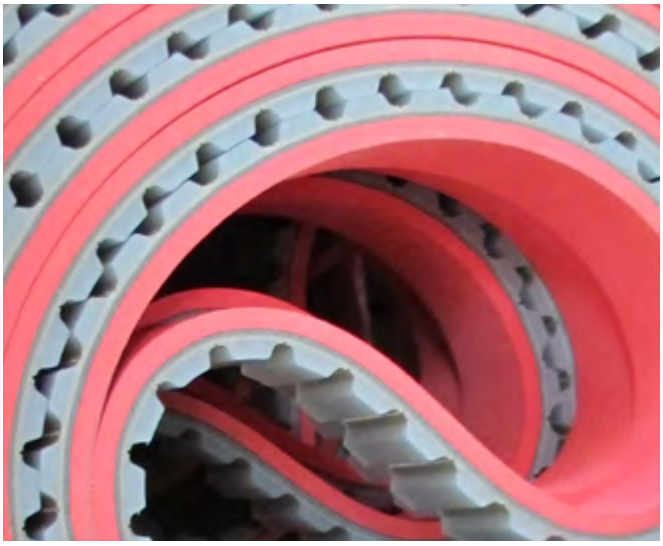
Section	Rib Angle	Rib Pitch (P)	Units	Rubber Multi-Rib V-Belts	Urethane Multi-Rib V-Belts	Rubber Banded V-Belts
B	40°	0.750	inch	-	-	yes
C	40°	1.000	inch	-	-	yes
D	40°	1.438	inch	-	-	yes
H	40°	1.600	inch	yes	yes	-
TB2	60°	2.0	mm	-	yes	-
J	40°	0.092	inch	yes	yes	-
K	40°	0.140	inch	yes	-	-
L	40°	0.185	inch	yes	-	-
M	40°	0.370	inch	yes	-	-

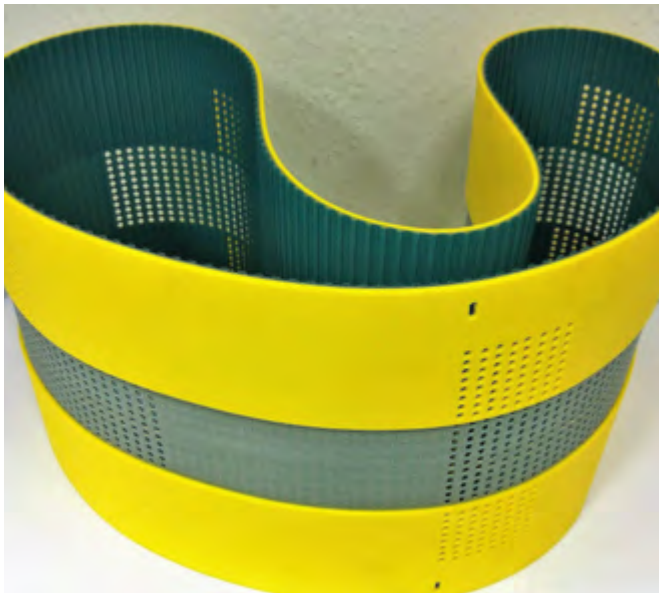
BANDED V-BELT



MULTI-RIB V-BELT







Megadyne offers a variety of polyurethanes, rubbers, foams, PVC's and other elastomer 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 fabrication.

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 presented 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.

IMPORTANT COVER INFORMATION

The following information provides explanation for the asterisk found within the cover section (10 - 35).

***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**

****Oil Resistance: Dependant upon the exact chemical nature and viscosity of the oil**

*****Ground Covers can yield a tighter tolerance of +/-0.3mm if required**

******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.**

*******Minimum Pulley Diameter (Pd) = Total Belt Thickness (TK)x5**

COVER COLOR KEY

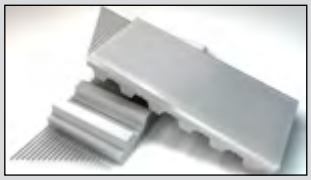
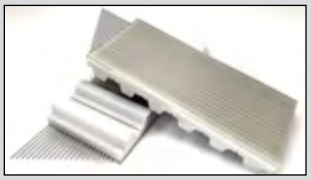
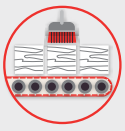
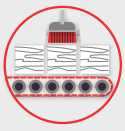
Orange	Yellow	Blue FDA
PU Cream	White	High Duro Pink
PU Blue	Tan	Dark Gray
Gray	Sylomer Blue	Royal Blue
Transparent	Transparent Brown	Black
Red Grip	Celloflex Tan	Dark Red
Red	Dark Green	Brown
Mint Green	Blue Anti Glaze	Coral

COVERS

Please contact Megadyne or your local partner distributor to obtain more information about our materials, processes, minimum quantities and delivery times.

POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	AVAFC					PU FISHBONE	PU RIBBED
							
REFERENCE N°	PU 1		PU 2		PU 3	PU 4	PU 5
COLORS	●	○	●	●	○	○	○
RAW MATERIAL			PU			PU	PU
HARDNESS (ShA)	40	55	60	70	85	70	70
COVER 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 (mm)			+/- 0.3			+/- 0.5	+/- 0.5
WORKING TEMPERATURE °F (°C)			-4 /+176 (-20 /+80)			-4 /+176 (-20 /+80)	-4 /+176 (-20 /+80)
COEFFICIENT OF FRICTION* (CoF)	0.65		0.65		0.60	0.60	0.60
MIN. PULLEY DIAMETER			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 wet environments where friction and drainage are necessary.	Reduced contact point for conveying smooth products. Allows drain of liquids.
INDUSTRIES	 Ceramic, Glass, Brick & Stone Medical	Packaging Material Handling				Ceramic, Glass, Brick & Stone Packaging	 Ceramic, Glass, Brick & Stone Packaging Medical

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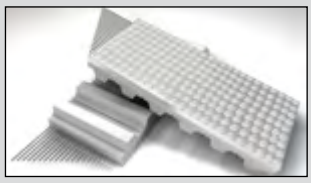
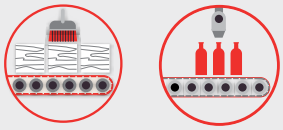
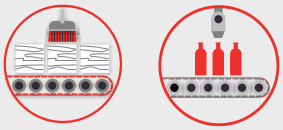
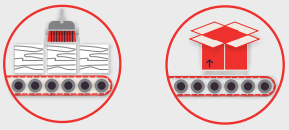
COVERS

POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	NP 385	RED GRIP	APL RED
			
REFERENCE N°	PU 6	PU 7	PU 8
COLORS	◯	●	●
RAW MATERIAL	PU	PU/Synthetic Rubber	PU/PVC
HARDNESS (ShA)	70	63	55
COVER AND BELT COHESION METHOD	Co-extrusion	Co-extrusion	Co-extrusion
STANDARD COVER THICKNESS RANGE (mm)	4	1 to 8	3.5
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-4 /+176 (-20 /+80)	-4 /+140 (-20 /+60)	-4 /+140 (-20 /+60)
COEFFICIENT OF FRICTION* (CoF)	0.60	0.70	0.70
MIN. PULLEY DIAMETER	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.	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	 Ceramic, Glass, Brick & Stone; Packaging; Material Handling	 Ceramic, Glass, Brick & Stone; Material Handling; Paper & Print

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COVERS

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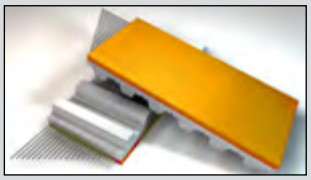
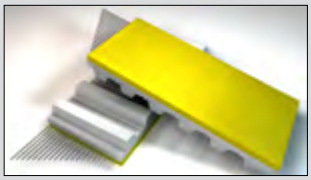
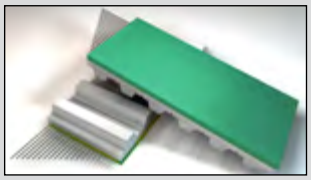
POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	ORANGE COVER	Z-COVER	GREEN MILLABLE URETHANE	
				
REFERENCE N°	PU 9	PU 10	PU 11	PU 12
COLORS				
RAW MATERIAL	PU	PU	Milllable Urethane	
HARDNESS (ShA)	42	56	40	50 60 70 85
COVER AND BELT COHESION METHOD	Co-extrusion	Co-extrusion	Molding	
STANDARD COVER THICKNESS RANGE (mm)	3/6/9	3-6	2.4 to 14	
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3	
WORKING TEMPERATURE °F (°C)	-13 /+149 (-25 /+65)	-13 /+158 (-25 /+70)	-4 /+176 (-20 /+80)	
COEFFICIENT OF FRICTION* (CoF)	0.80	0.60	0.60	0.55
MIN. PULLEY DIAMETER	x 20 ****	x 25 ****	x 30 ****	x 30 **** x 35 **** x40 ****
WATER RESISTANCE	Good	Good	Good	Good
ABRASION RESISTANCE	Good	Good	Very good	Very good
OIL RESISTANCE**	Good	Good	Good	Good
FOOD CONTACT APPROVED	No	No	No	No
FEATURES/BENEFITS	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.	
INDUSTRIES	Material Handling	Material Handling	Ceramic, Glass, Brick & Stone; Aluminum Extrusion; Recycling	

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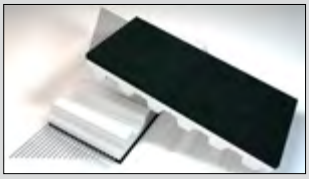
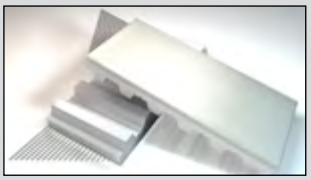
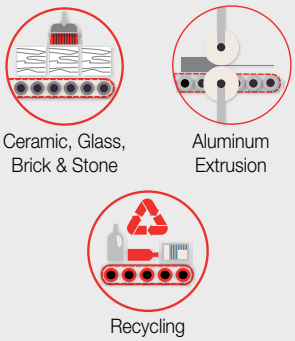
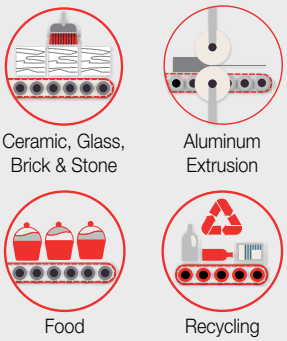
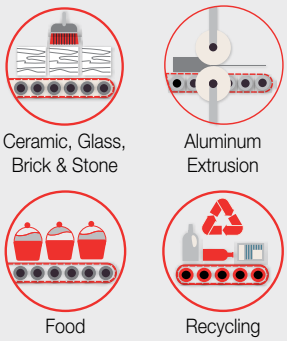
POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	TAN MILLABLE URETHANE	BLACK MILLABLE URETHANE	WHITE MILLABLE URETHANE
			
REFERENCE N°	PU 68	PU 69	PU 70
COLORS			
RAW MATERIAL	Milllable Urethane	Milllable Urethane	Milllable Urethane
HARDNESS (ShA)	70	80	55
COVER AND BELT COHESION METHOD	Molding	Molding	Molding
STANDARD COVER THICKNESS RANGE (mm)	2.4 to 14	2.4 to 14	2.4 to 14
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-4 /+176 (-20 /+80)	-4 /+176 (-20 /+80)	-4 /+176 (-20 /+80)
COEFFICIENT OF FRICTION* (CoF)	0.55	0.55	0.60
MIN. PULLEY DIAMETER	x35 ****	x40 ****	x30 ****
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 with ingredients considered FDA safe.	High CoF, very good abrasion and tear resistance. Formulated with ingredients considered FDA safe.
INDUSTRIES			

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COVERS

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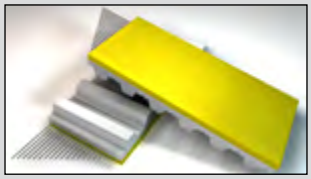
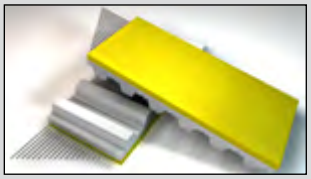
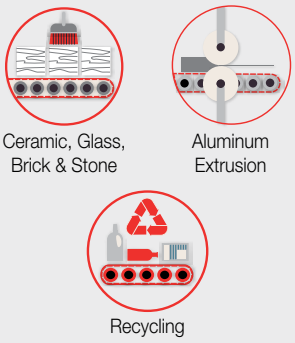
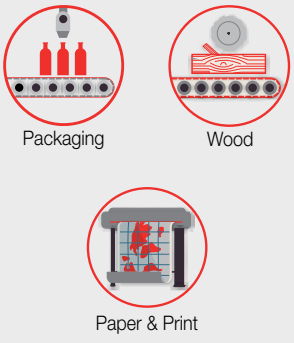
POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	YELLOW MILLABLE URETHANE	POLYTHAN D44	PU-YELLOW
			
REFERENCE N°	PU 71	PU 13	PU 14A
COLORS			
RAW MATERIAL	Milllable Urethane	PU	Two Component PU Foam
HARDNESS (ShA)	70	72	25-40 (soft) 50 (standard) 60-70 (hard)
COVER AND BELT COHESION METHOD	Molding	Lamination	Spraying
STANDARD COVER THICKNESS RANGE (mm)	2,4 to 14	1 to 6	1 to 10
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.5	+/- 0.3
WORKING TEMPERATURE °F (°C)	-4 /+176 (-20 /+80)	+14 /+140 (-10 /+60)	+14 /+140 (-10 /+60)
COEFFICIENT OF FRICTION* (CoF)	+/- 0.55	0.70	0.40
MIN. PULLEY DIAMETER	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 Ozone and UV radiation.	Very good abrasion resistance.
INDUSTRIES			

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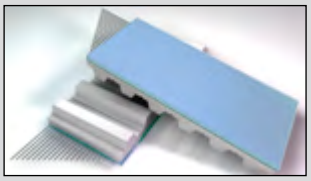
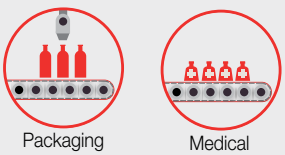
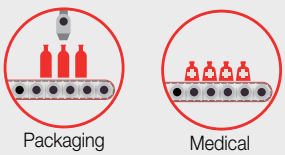
COVERS

POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	PU-GREY/RED	CELLOFLEX	SYLOMER BLUE
			
REFERENCE N°	F14B	PU 15	PU 16
COLORS			
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
COVER AND BELT COHESION METHOD	Spraying	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	1 to 10	2 to 5	2 to 20
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.5	+/- 0.5
WORKING TEMPERATURE °F (°C)	+14 /+140 (-10 /+60)	-22 /+176 (-30 /+80)	-22 /+158 (-30 /+70)
COEFFICIENT OF FRICTION* (CoF)	0.40	0.30	0.50
MIN. PULLEY DIAMETER	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 cushioning.	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	 Material Handling Paper & Print	 Packaging Medical	 Packaging Medical

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COVERS

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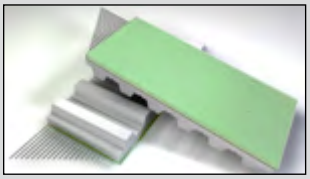
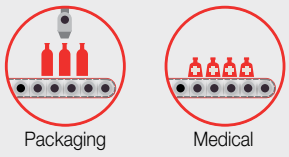
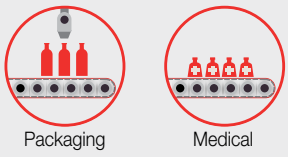
POLYURETHANE (PU)

See Page 9 for Important Cover Information.

	SYLOMER GREEN	SYLOMER BROWN	SYLOMER YELLOW
			
REFERENCE N°	PU 17	PU 18	PU 68
COLORS			
RAW MATERIAL	PU Foam	PU Foam	PU Foam
VOLUME WEIGHT (kg/m³)	300 kg/m³	400 kg/m³	150 kg/m³
COVER AND BELT COHESION METHOD	Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	2 to 25	1 to 12	1 to 12
TOLERANCE COVER THICKNESS (mm)	+/- 0.5	+/- 0.5	+/- 0.25
WORKING TEMPERATURE °F (°C)	-22 /+158 (-30 /+70)	-22 /+158 (-30 /+70)	-22 /+158 (-30 /+70)
COEFFICIENT OF FRICTION* (CoF)	0.50	0.50	0.50
MIN. PULLEY DIAMETER	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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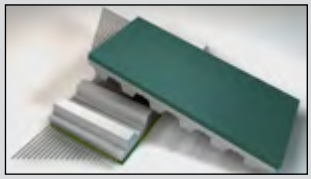
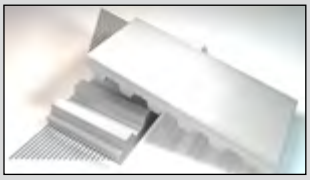
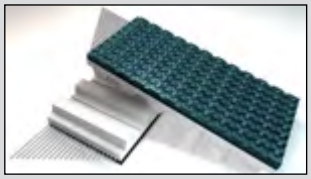
PVC

	PVC-FOIL BLUE	PVC-FOIL WHITE	SUPERGRIP PETROL
See Page 9 for Important Cover Information.			
REFERENCE N°	PVC 19	PVC 20	PVC 21
COLORS	●	○	●
RAW MATERIAL	PVC	PVC	PVC
HARDNESS (ShA)	40	65	46
COVER AND BELT COHESION METHOD	Lamination	Lamination	Co-extrusion
STANDARD COVER THICKNESS RANGE (mm)	2	2	4.5
TOLERANCE COVER THICKNESS (mm)	+/- 0.5	+/- 0.5	+/- 0.5
WORKING TEMPERATURE °F (°C)	+5 /+158 (-15 /+70)	-4 / +212 (-20 /+100)	-14 /+140 (-25.5 /+60)
COEFFICIENT OF FRICTION* (CoF)	0.90	0.80	0.90
MIN. PULLEY DIAMETER	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	High CoF. Resistant to acids and oils.	Good CoF. Resistant to acids and oils. Formulated with ingredients considered FDA safe.	High CoF for incline, feed and take-a-way conveying applications.
INDUSTRIES			

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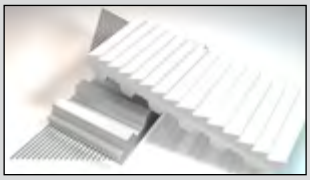
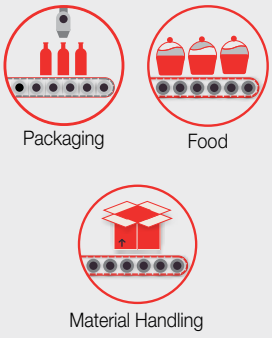
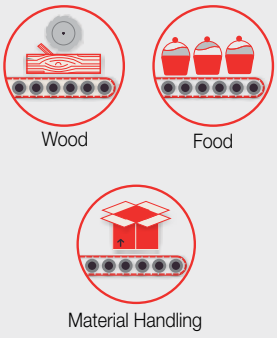
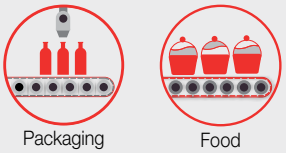
PVC

See Page 9 for Important Cover Information.

	SUPERGRIP WHITE	PVC-SAW TOOTH	PVC-NAPPED
			
REFERENCE N°	PVC 22	PVC 23	PVC 24
COLORS			
RAW MATERIAL	PVC	PVC	PVC
HARDNESS (ShA)	60	60	65
COVER AND BELT COHESION METHOD	Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	3.5	2.5	1.5
TOLERANCE COVER THICKNESS (mm)	+/- 0.5	+/- 0.5	+/- 0.5
WORKING TEMPERATURE °F (°C)	-14 /+212 (-25.5 /+100)	+5 /+158 (-15 /+70)	+5 /+158 (-15 /+70)
COEFFICIENT OF FRICTION* (CoF)	0.80	0.70	0.80
MIN. PULLEY DIAMETER	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	Features similar to Supergrip petrol, but less flexible. Formulated with FDA materials; resistant to acids and oils	Cover surface offers improved CoF in wet environments. Resistant to acids and oils. Formulated with ingredients considered FDA safe.	Thin cover offers good Cof, even in wet conditions. Resistant to acids and oils. Formulated with FDA materials.
INDUSTRIES			

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WARNING: Urethane base belts can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer or birth defects or other reproductive harm.
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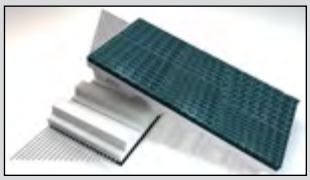
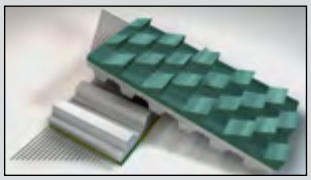
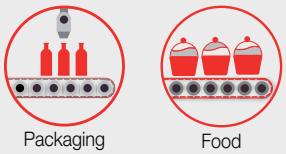
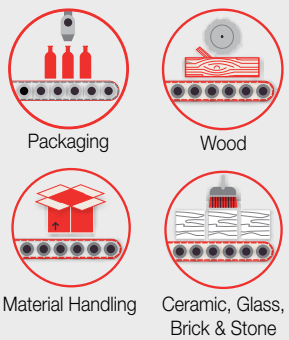
PVC

	PVC-FISHBONE	MINIGRIP GREEN	STAGGERED SAWTOOTH
See Page 9 for Important Cover Information.			
REFERENCE N°	PVC 25	PVC 26	PVC 81
COLORS	●	●	● ●
RAW MATERIAL	PVC	PVC	PVC
HARDNESS (ShA)	65	60	46
COVER AND BELT COHESION METHOD	Lamination	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	3	1.3	8
TOLERANCE COVER THICKNESS (mm)	+/- 0.5	+/- 0.5	+/- 0.5
WORKING TEMPERATURE °F (°C)	+5 /+194 (-15 /+90)	+14 /+158 (-10 /+70)	-4 /+158 (-20 /+70)
COEFFICIENT OF FRICTION* (CoF)	0.80	0.70	0.90
MIN. PULLEY DIAMETER	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 grabbing and incline conveying. Resistant to acids and oils.
INDUSTRIES			

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COVERS

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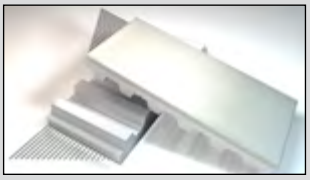
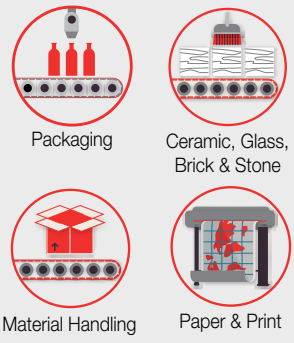
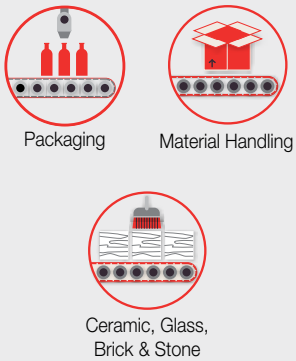
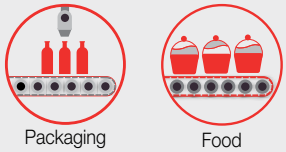
RUBBER

See Page 9 for Important Cover Information.

	LINATEX™ RED	LINARD	LINAPLUS FG
			
REFERENCE N°	RU 27	RU 28	RU 29
COLORS			
RAW MATERIAL	Natural Rubber	Natural Rubber	Natural Rubber
HARDNESS (ShA)	38 / 40	60	38
COVER AND BELT COHESION METHOD	Lamination / Vulcanization	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	1 to10 / 3 to 12.7	1 to 6	1 to 3
TOLERANCE COVER THICKNESS (mm)	+/-1(***)	+/-1(***)	+/-1(***)
WORKING TEMPERATURE °F (°C)	-40 /+158 (-40 /+70)	-40 /+158 (-40 /+70)	-40 /+158 (-40 /+70)
COEFFICIENT OF FRICTION* (CoF)	0.90	0.60	0.75
MIN. PULLEY DIAMETER	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 around water but poor in oil.	Cover offers good abrasion resistance but less adhesion in comparison to Linatex™	High CoF white natural rubber material. Formulated with FDA materials.
INDUSTRIES			

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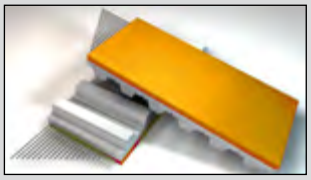
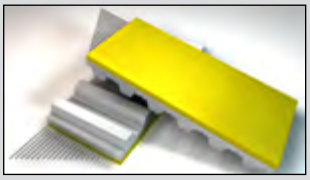
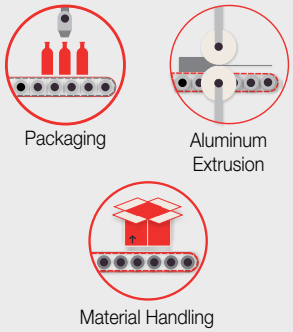
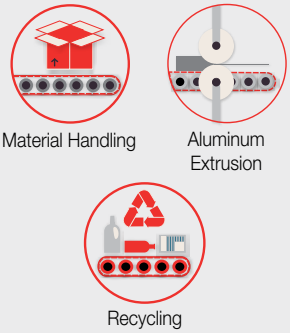
See Page 9 for Important Cover Information.

	LINATRILE	RP 400 YELLOW	GUMMY CORREX AMBRA PARABLOND
			
REFERENCE N°	RU 30	RU 31	RU 73
COLORS			
RAW MATERIAL	Polymer NBR	Natural Rubber	Natural Rubber
HARDNESS (ShA)	55	38	48
COVER AND BELT COHESION METHOD	Lamination	Lamination	Vulcanization
STANDARD COVER THICKNESS RANGE (mm)	1 to 10	2 to 6	0.8 to 15
TOLERANCE COVER THICKNESS (mm)	+/- 1(***)	+/- 0.5	+/- 0.3
WORKING TEMPERATURE °F (°C)	-40 /+230 (-40 /+110)	-14 /+176 (-25.5 /+80)	-14 /+140 (-25.5 /+60)
COEFFICIENT OF FRICTION*	0.70	0.80	0.60
MIN. PULLEY DIAMETER	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	 Packaging, Aluminum Extrusion, Material Handling	Packaging, Material Handling, Paper & Print, Wood	 Material Handling, Aluminum Extrusion, Recycling

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COVERS

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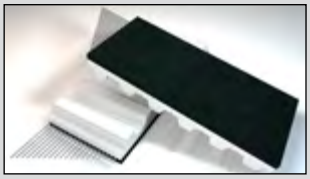
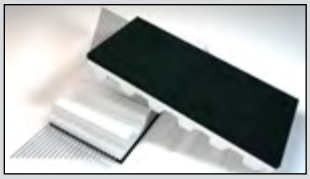
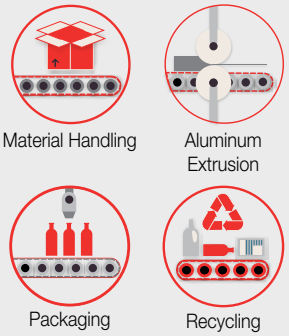
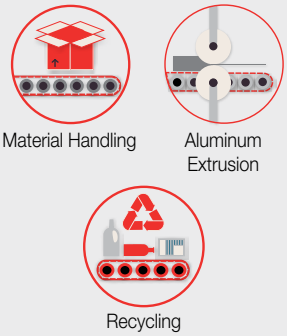
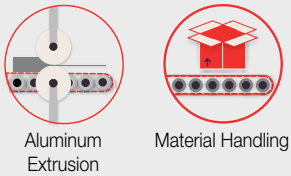
RUBBER

See Page 9 for Important Cover Information.

	CORREX BEIGE	CORREX BLACK	NBR	
				
REFERENCE N°	RU 32	RU 33	RU 34	
COLORS				
RAW MATERIAL	Natural Rubber	Natural Rubber	Nitrile Rubber	
HARDNESS (ShA)	36	60	50	65 70
COVER AND BELT COHESION METHOD	Lamination	Lamination	Lamination	Vulcanization
STANDARD COVER THICKNESS RANGE (mm)	2 to 6	2 to 6	2 to 6	0.8 to 15
TOLERANCE COVER THICKNESS (mm)	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.3
WORKING TEMPERATURE °F (°C)	-14 /+158 (-25.5 /+70)	-14 /+158 (-25.5 /+70)	-31 /+158 (-35 /+70)	+32 /+248 (0 /+120)
COEFFICIENT OF FRICTION* (CoF)	0.70	0.60	0.70	0.60
MIN. PULLEY DIAMETER	x 20 ****	x 30 ****	x 30 ****	x 35 ****
WATER RESISTANCE	Fair	Fair	Very good	Good
ABRASION RESISTANCE	Good	Very Good	Poor	Good
OIL RESISTANCE**	Poor	Poor	Good	Good
FOOD CONTACT APPROVED	No	No	No	No
FEATURES/BENEFITS	Cover offers high CoF and non-marking features. Similar to Linatex™.	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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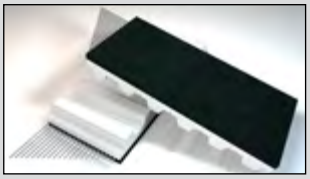
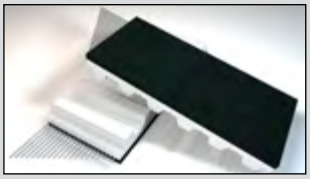
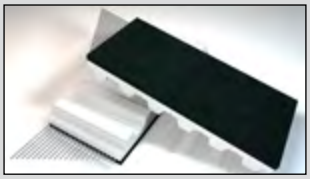
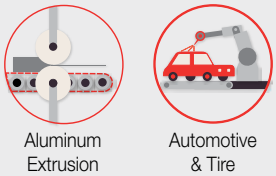
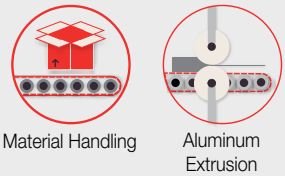
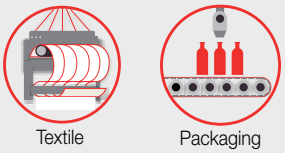
RUBBER

	EPDM	VITON (FKM)		POROL BLACK
See Page 9 for Important Cover Information.				
REFERENCE N°	RU 35	RU 36		RU 37
COLORS	●	●		●
RAW MATERIAL	Ethylene - Propylene Diene - Monomer	Fluoropolymer		Natural Cellular Rubber Foam
HARDNESS (ShA)	70	50	75	290 kg/m³
COVER AND BELT COHESION METHOD	Lamination	Vulcanization	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	2 to 5	>= 1.5	2 to 4	2 to 20
TOLERANCE COVER THICKNESS (mm)	+/- 0.5	+/- 0.5		+/- 0.5
WORKING TEMPERATURE °F (°C)	-4 /+248 (-20 /+120)	-14 /+680 (-25.5 /+360)	+14 /+374 (-10 /+190)	-40 /+158 (-40 /+70)
COEFFICIENT OF FRICTION*	1.10	0.70		1.20
MIN. PULLEY DIAMETER	x 35 ****	x 40 ****		x 15 ****
WATER RESISTANCE	Very good	Very good		Very good
ABRASION RESISTANCE	Poor	Good		Good
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 base belt and adhesive used.		Cover is closed cell, soft elastic cellular rubber with good wear resistance.
INDUSTRIES	 Aluminum Extrusion; Automotive & Tire	 Material Handling; Aluminum Extrusion		 Textile; Packaging; Material Handling; Medical

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COVERS

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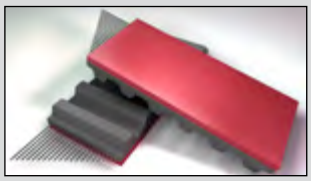
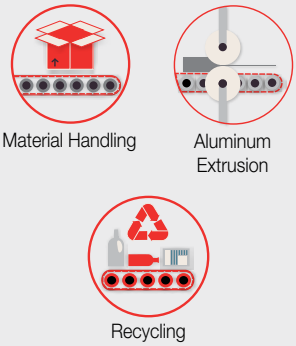
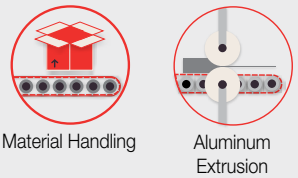
RUBBER

See Page 9 for Important Cover Information.

	TENAX 40	TENAX STANDARD	TNX RED
			
REFERENCE N°	RU 74	RU 75	RU 38
COLORS			
RAW MATERIAL	Natural Rubber	Natural Rubber	NR/BR
HARDNESS (ShA)	40	45	50
COVER AND BELT COHESION METHOD	Vulcanization	Vulcanization	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	0.8 to 15	0.8 to 15	<=16 (total belt thickness)
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-4 /+140 (-20 /+60)	-4 /+140 (-20 /+60)	-4 /+140 (-20 /+60)
COEFFICIENT OF FRICTION* (CoF)	0.75	0.70	0.70
MIN. PULLEY DIAMETER	x 30 ****	x 30 ****	Ø min. +TKx5 *****
WATER RESISTANCE	Very good	Very good	Fair
ABRASION RESISTANCE	Good	Very good	Very 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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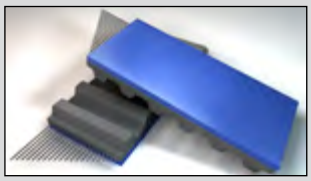
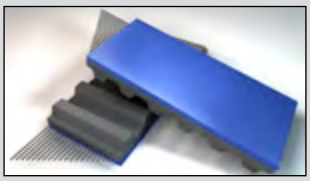
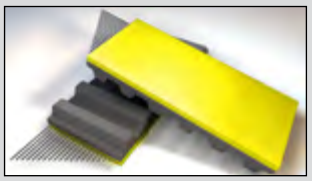
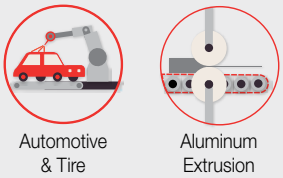
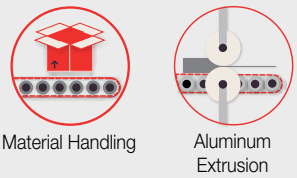
COVERS

RUBBER

See Page 9 for Important Cover Information.

	BLUE GRIP	HTX (SILBLUE)	YELLOW GUM R14
			
REFERENCE N°	RU 39	RU 40	RU 41
COLORS			
RAW MATERIAL	NR/BR	Silicone	Natural Rubber
HARDNESS (ShA)	57	64	35-45
COVER AND BELT COHESION METHOD	One Shot Curing	One Shot Curing	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	<=12,5 (total belt thickness)	<=12 (total belt thickness)	1.6 to 12
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-4 /+176 (-20 /+80)	+32 /+347 (0 /+175)	-13 /+185 (-25 /+85)
COEFFICIENT OF FRICTION* (CoF)	0.80	1.60	0.80
MIN. PULLEY DIAMETER	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. Only available on rubber base belts.	Cover offers high CoF, very good wear resistance. Only available on rubber base belts.
INDUSTRIES	 Automotive & Tire; Aluminum Extrusion	 Material Handling; Aluminum Extrusion	Textile; Packaging; Medical; Material Handling

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WARNING: Urethane base belts can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer or birth defects or other reproductive harm.
For more information visit www.P65WARNINGS.ca.gov

COVERS

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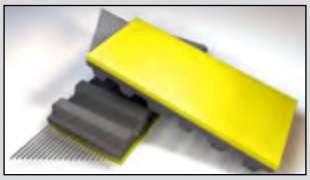
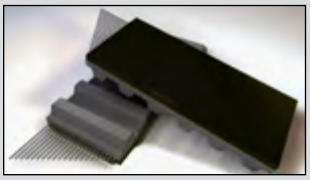
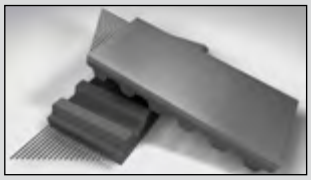
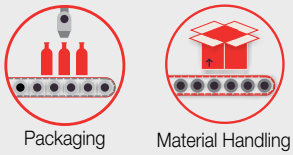
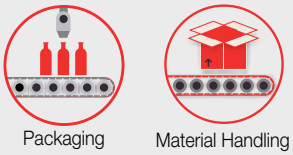
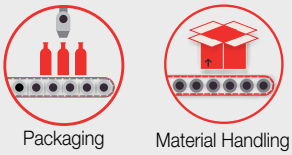
RUBBER

See Page 9 for Important Cover Information.

	YELLOW NEOPRENE R15	HIGH DURO NEOPRENE R18	50 DURO GRAY NEOPRENE R23
			
REFERENCE N°	RU 58	RU 59	RU 60
COLORS			
RAW MATERIAL	Polychloroprene	Polychloroprene	Polychloroprene
HARDNESS (ShA)	35-45	70-80	50-60
COVER 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 (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-13 /+176 (-25 /+80)	-13 /+176 (-25 /+80)	-13 /+176 (-25 /+80)
COEFFICIENT OF FRICTION* (CoF)	0.65	0.60	0.65
MIN. PULLEY DIAMETER	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 offers a Neoprene alternative for applications requiring better resistance to heat, oils, fats, solvents.	Cover offers a high ShA, black non-marking neoprene compound.	Cover offers a medium ShA, non-marking compound, good heat resistance, CoF properties and color stability.
INDUSTRIES	 Packaging Material Handling	 Packaging Material Handling	 Packaging Material Handling

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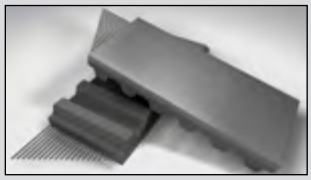
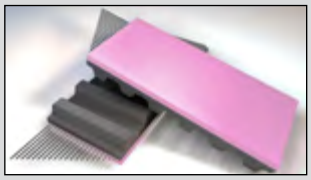
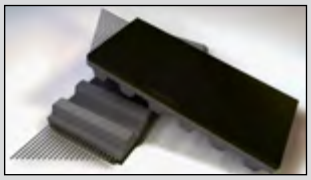
COVERS

RUBBER

See Page 9 for Important Cover Information.

	65 DURO GRAY NEOPRENE R24	HIGH DURO PINK NEOPRENE R25	LOW DURO BLACK NEOPRENE R35
			
REFERENCE N°	RU 61	RU 62	RU 63
COLORS			
RAW MATERIAL	Polychloroprene	Polychloroprene	Natural Rubber
HARDNESS (ShA)	60-70	65-75	40-50
COVER 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 (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-13 /+176 (-25 /+80)	-13 /+194 (-25 /+90)	-14 /+185 (-25.5 /+85)
COEFFICIENT OF FRICTION* (CoF)	0.65	0.60	0.55
MIN. PULLEY DIAMETER	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 offers medium ShA, non-marking compound. Formulated with FDA materials.	Cover offers non-marking compound. Good friction properties and heat resistance.	Cover offers high friction, non-marking feature.
INDUSTRIES	Packaging, Material Handling	Packaging, Material Handling	Packaging, Material Handling

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COVERS

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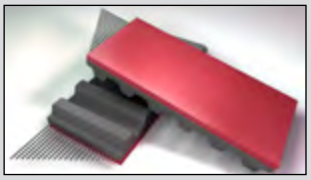
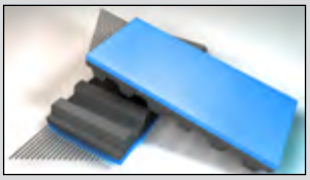
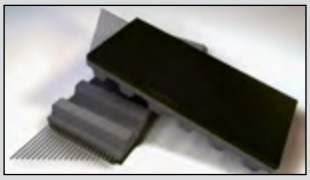
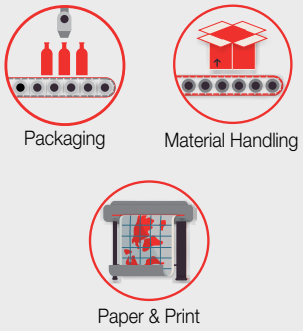
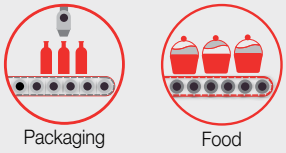
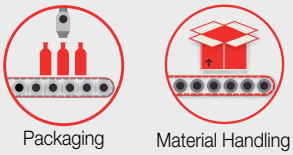
RUBBER

See Page 9 for Important Cover Information.

	65 DURO RED NITRILE/PVC	BLUE FDA NEOPRENE 65	STATIC DISSIPATING NEOPRENE ISEPO
			
REFERENCE N°	RU 42	RU 43	RU 65
COLORS			
RAW MATERIAL	Nitrile - PVC	Polychloroprene	Polychloroprene
HARDNESS (ShA)	63 - 70	63 -73	67-77
COVER 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 - 13
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	+14 /+230 (-10 /+110)	-31 /+221 (-35 /+105)	-14 /+176 (-25.5 /+80)
COEFFICIENT OF FRICTION* (CoF)	0.80	0.80	0.60
MIN. PULLEY DIAMETER	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.	Cover used on belts requiring high conductivity. Compound exceed the ISO/RMA classification for antistatic, static dissipating belts.
INDUSTRIES			

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WARNING: Urethane base belts can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer or birth defects or other reproductive harm.
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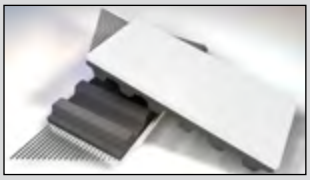
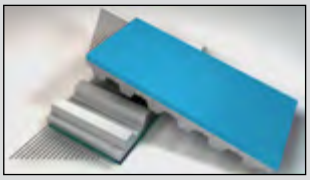
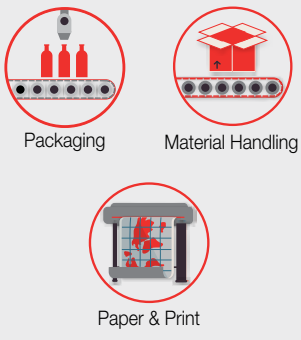
COVERS

RUBBER

See Page 9 for Important Cover Information.

	LOW DURO WHITE NEOPRENE R92	TAN NATURAL RUBBER 40	BLUE ANTI GLAZE NATURAL RUBBER
			
REFERENCE N°	RU 66	RU 44	RU 45
COLORS			
RAW MATERIAL	Polychloroprene	Natural Rubber	Natural Rubber
HARDNESS (ShA)	35-45	40	40
COVER AND BELT COHESION METHOD	One Shot Curing	Vulcanization	Vulcanization
STANDARD COVER THICKNESS RANGE (mm)	1.0 - 10.0	2.4 to 14	2.4 to 14
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-14 /+194 (-25.5 /+90)	-14 /+176 (-25.5 /+80)	-14 /+176 (-25.5 /+80)
COEFFICIENT OF FRICTION* (CoF)	0.65	0.60	0.55
MIN. PULLEY DIAMETER	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.	Cover offers non marking high CoF surface. Average wear and tear and abrasion resistance.	Cover offers a high Cof and good wear resistance.
INDUSTRIES			

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COVERS

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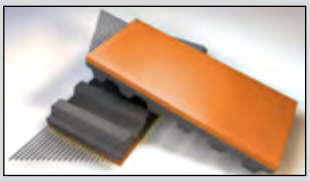
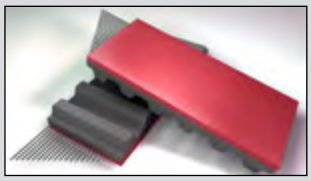
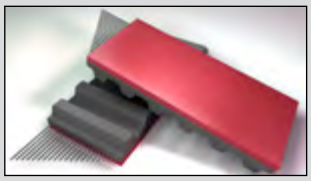
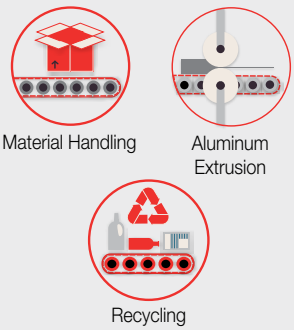
RUBBER

See Page 9 for Important Cover Information.

	DURATAQ™	DURATAQ™ PLUS	RED NATURAL RUBBER 40
			
REFERENCE N°	RU 46	RU 76	RU 47
COLORS			
RAW MATERIAL	Natural Rubber	Natural Rubber	Natural Rubber
HARDNESS (ShA)	45	60	40
COVER AND BELT COHESION METHOD	Vulcanization	Vulcanization	Vulcanization
STANDARD COVER THICKNESS RANGE (mm)	2.4 to 14	2.4 to 14	2.4 to 14
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-4 /+212 (-20 /+100)	-4 /+212 (-20 /+100)	-14 /+176 (-25.5 /+80)
COEFFICIENT OF FRICTION* (CoF)	1.10	0.60	0.50
MIN. PULLEY DIAMETER	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 goof CoF and very good abrasion resistance.	Cover offers low durometer ShA and very good high friction.
INDUSTRIES			

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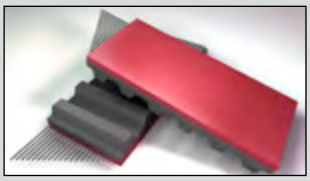
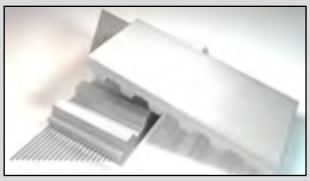
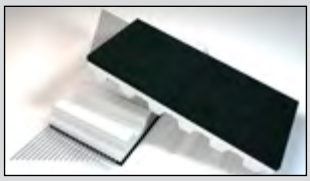
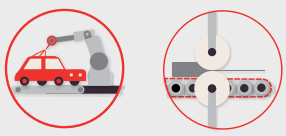
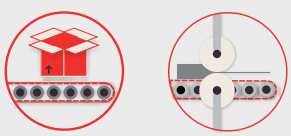
See Page 9 for Important Cover Information.

	RED NATURAL RUBBER 60	WHITE NITRILE 40	BLACK NEOPRENE	
				
REFERENCE N°	RU 77	RU 49	RU 50	
COLORS	●	○	●	
RAW MATERIAL	Natural Rubber	Carboxilated Nitrile	Neoprene	
HARDNESS (ShA)	60	40	50	70
COVER AND BELT COHESION METHOD	Vulcanization	Vulcanization	Lamination	Vulcanization
STANDARD COVER THICKNESS RANGE (mm)	2.4 to 14	2.4 to 14	3 - 12	0.8 to 15
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3	
WORKING TEMPERATURE °F (°C)	-14 /+212 (-25.5 /+100)	-14 /+248 (-25.5 /+120)	-14 /+140 (-25.5 /+60)	-14 /+212 (-25.5 /+100)
COEFFICIENT OF FRICTION* (CoF)	0.50	0.70	0.60	
MIN. PULLEY DIAMETER	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	No	No	
FEATURES/BENEFITS	Covers offers good friction and good abrasion resistance.	Cover offer the benefit high friction and good wear resistance.	Cover offers high CoF and moderate abrasion / water / OIL RESISTANCE** in ambient temperatures.	

INDUSTRIES





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COVERS

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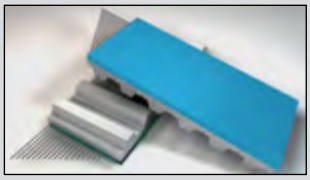
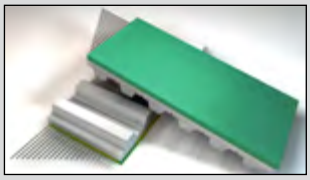
RUBBER

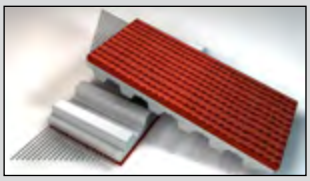
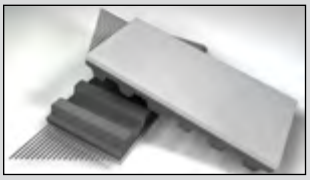
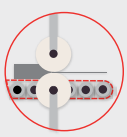
See Page 9 for Important Cover Information.

	BLUE NATURAL RUBBER 55	GREEN NITRILE 55	TAN NEOPRENE 55
			
REFERENCE N°	RU 51	RU 52	RU 53
COLORS			
RAW MATERIAL	Natural Rubber	Nitrile	Neoprene
HARDNESS (ShA)	55	55	55
COVER AND BELT COHESION METHOD	Vulcanization	Vulcanization	Vulcanization
STANDARD COVER THICKNESS RANGE (mm)	2.4 to 14	2.4 to 14	2.4 to 14
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.3	+/- 0.3
WORKING TEMPERATURE °F (°C)	-14 /+176 (-25.5 /+80)	-14 /+248 (-25.5 /+120)	-14 /+248 (-25.5 /+120)
COEFFICIENT OF FRICTION* (CoF)	0.40	0.70	1.60
MIN. PULLEY DIAMETER	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 offers high CoF, good wear resistance, very good water water resistance.	Cover offers high CoF and very good wear resistance.	Cover offer high CoF and good wear resistance.
INDUSTRIES	Packaging Material Handling	Ceramic, Glass, Brick & Stone Packaging	Ceramic, Glass, Brick & Stone Packaging Paper & Print

WARNING: Rubber base belts can expose you to chemicals including carbon black, which is known to the State of California to cause cancer or birth defects or other reproductive harm.
WARNING: Urethane base belts can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer or birth defects or other reproductive harm.
For more information visit www.P65WARNINGS.ca.gov

Please contact Megadyne or your local partner distributor to obtain more information about our materials, processes, minimum quantities and delivery times.

See Page 9 for Important Cover Information.

	HONEYCOMB	70 DURO GREY HNBR - HTG
		
REFERENCE N°	RU 78	RU 80
COLORS		
RAW MATERIAL	Natural Rubber	HNBR
HARDNESS (ShA)	50	66-76
COVER AND BELT COHESION METHOD	Laminated	One Shot Curing
STANDARD COVER THICKNESS RANGE (mm)	4.5 to 15	1 to 10
TOLERANCE COVER THICKNESS (mm)	+/-0.5	+/- 0.3
WORKING TEMPERATURE °F (°C)	-14 /+140 (-25.5 /+60)	-22 /+248 (-30 /+120)
COEFFICIENT OF FRICTION*	0.60	0.55
MIN. PULLEY DIAMETER	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 offers high friction rough top surface 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.
INDUSTRIES	Packaging Material Handling Wood	Material Handling  Aluminum Extrusion Automotive & Tire

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WARNING: Urethane base belts can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer or birth defects or other reproductive harm.
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COVERS

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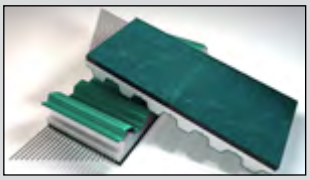
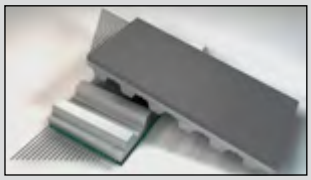
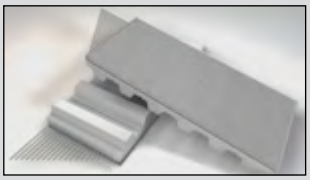
OTHERS

See Page 9 for Important Cover Information.

	NFB/NFT	TT60	CHROME LEATHER
			
REFERENCE N°	OTH 54	OTH 55	OTH 56
COLORS	(Antistatic)		
RAW MATERIAL	Nylon Fabric	Felt	Leather
HARDNESS (ShA)	-	55	65
COVER AND BELT COHESION METHOD	Co-extrusion	Lamination	Lamination
STANDARD COVER THICKNESS RANGE (mm)	0.15	2	2 to 3
TOLERANCE COVER THICKNESS (mm)	0.6	+/- 1	+/- 0.5
WORKING TEMPERATURE °F (°C)	-14 /+176 (-25.5 /+80)	-14 /+248 (-25.5 /+120)	+32 /+140 (0 /+60)
COEFFICIENT OF FRICTION* (CoF)	0.25	0.40	0.40
MIN. PULLEY DIAMETER	*See minimum pulley diameter belt type and pitch*	120 mm	x 50 ****
WATER RESISTANCE	Good	Poor	Good
ABRASION RESISTANCE	Fair	Very good	Good
OIL RESISTANCE**	Fair	Good	Very Good
FOOD CONTACT APPROVED	No	No	No
FEATURES/BENEFITS	Cover offers low friction for accumulation/back up as well as low noise benefits. Anti static version available.	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	Robotics & Automation; Material Handling; Automotive & Tire; Recycling	Material Handling; Aluminum Extrusion; Automotive & Tire	Material Handling; Recycling

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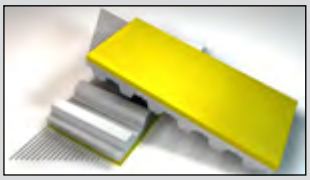
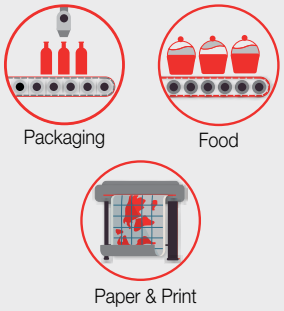
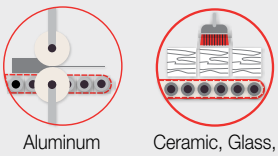
	SILICONE*	KEVLAR® FELT
		
REFERENCE N°	OTH 57	OTH 79
COLORS		
RAW MATERIAL	Silicone	Kevlar®
HARDNESS (ShA)	25 to 70	-
COVER AND BELT COHESION METHOD	See Coating Section	Lamination
STANDARD COVER THICKNESS RANGE (mm)	0.5 - 10	6 - 8
TOLERANCE COVER THICKNESS (mm)	+/- 0.3	+/- 0.1
WORKING TEMPERATURE °F (°C)	-40 /+446 (-40 /+230)	-14 /+842 (-25.5 /+450)
COEFFICIENT OF FRICTION*	Values on request	Values on request
MIN. PULLEY DIAMETER	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.	Cover offers non-marking, cushioning and heat resistance for high temperature applications.
INDUSTRIES		

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COATING SILICONE AND NEOPRENE

Megadyne has developed state of the art processes for applying silicone and neoprene to synchronous and non-synchronous belts and fabrics. 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 good flexibility enabling the belt to be used on low profile conveyors where designs such as knife edge pulleys are common.

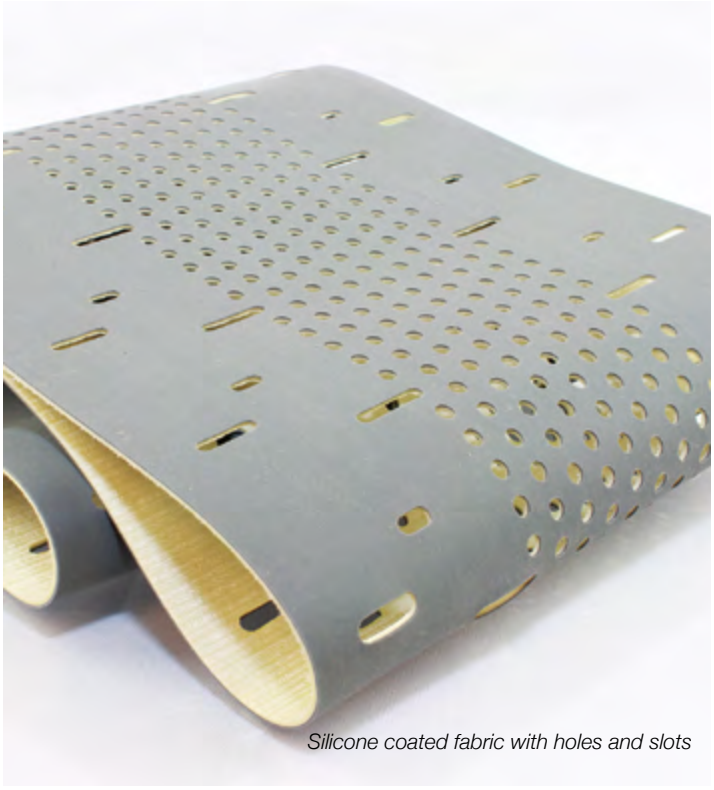
FDA Silicone allows use of our product in applications such as hygienic goods and medical related parts and components. Silicone is an excellent cover material where the use of glues and adhesives are present in product manufacturing and require easy release and clean up. Silicone also has excellent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

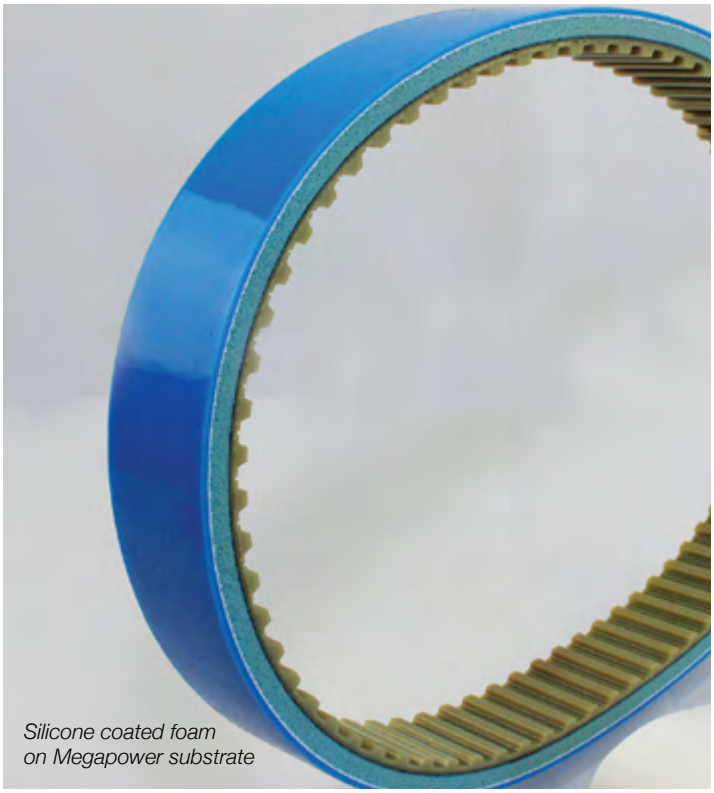
Both Silicone and Neoprene coated products can be further customized with modifications such as holes and slots to meet application needs such as vacuum draw.

Material	RTV Silicone	Neoprene
Hardness (ShA)	40, 70 (25-70 capable)	55
Colors		
Thickness Range (mm)	1-10	0.5-1
Working Temp Range °F (°C)	-40/+446 (-40/+230)	-4/+248 (-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 Megadyne for Details
- Kevlar® is a registered trademark of DuPont

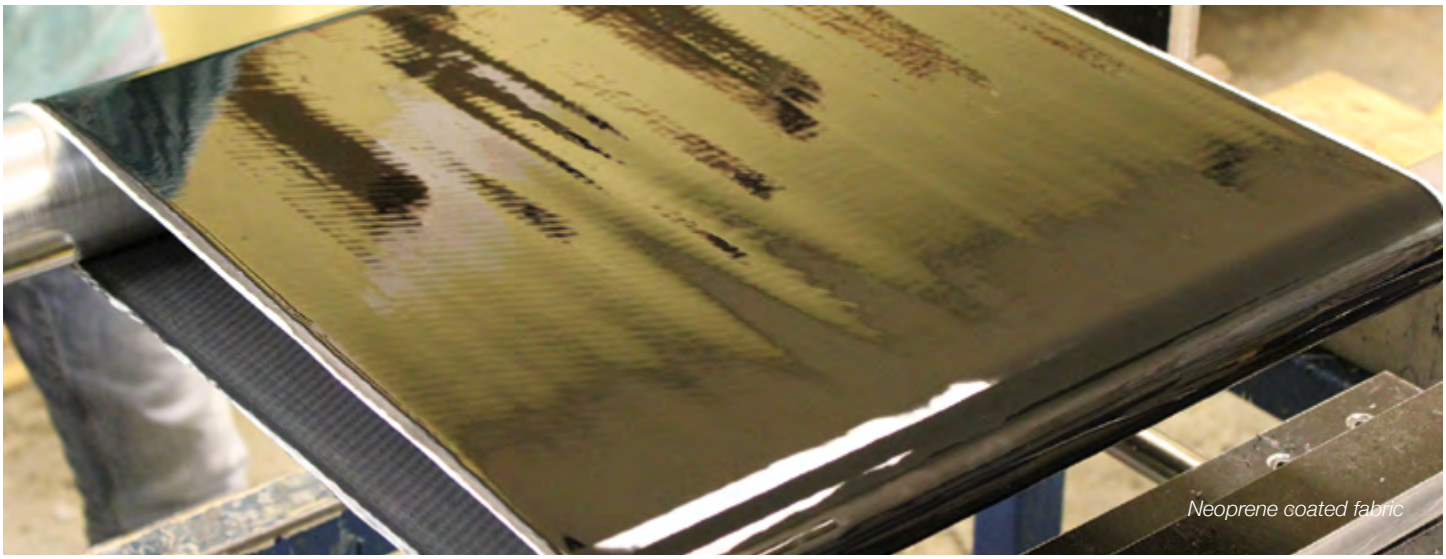


Silicone coated fabric with holes and slots



Silicone coated foam on Megapower substrate

Neoprene coated fabric



Neoprene coated fabric

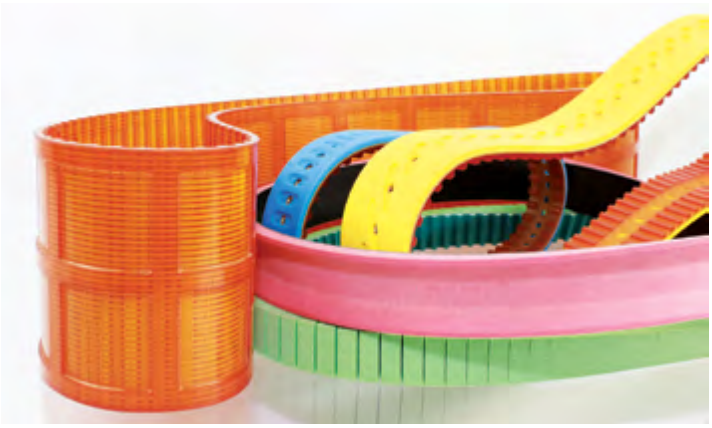
MODIFICATIONS

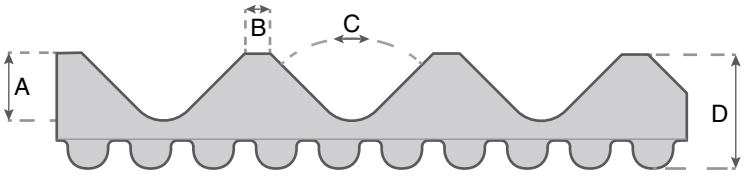
CUSTOM COVER MODIFICATIONS

Process enhancements, skilled personnel and ongoing capital equipment investments enable Megadyne to stay at the forefront of new design developments and solution delivery to customers across the wide 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.

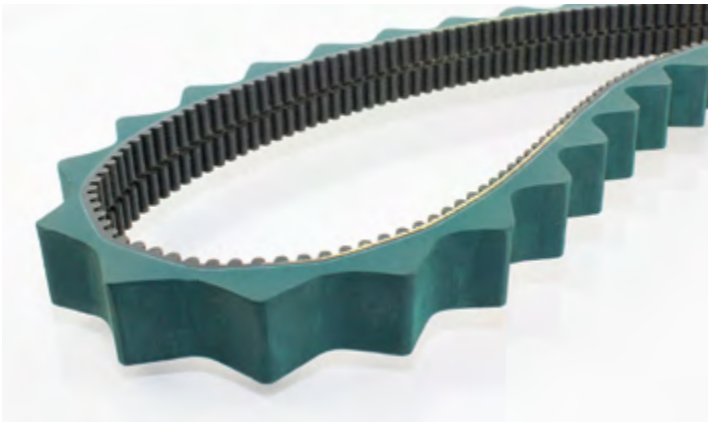
In addition to materials and process selection of the base belt, Megadyne can fully customize our belts with the following machined modifications:

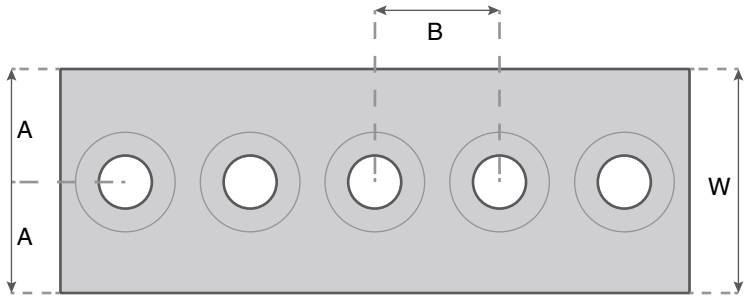
- Custom shapes
- Grinding
- Notching/Knife Cut
- Fabric added to the toothside of belt
- Vacuum Countersinks
- Holes/Perforations
- Pockets
- Slots
- Saw Tooth
- Grooves



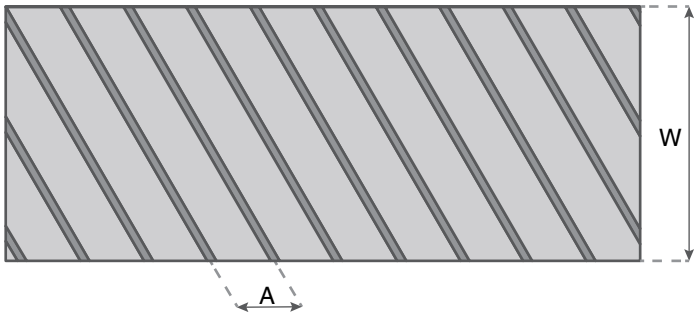


Deep Groove in Cover



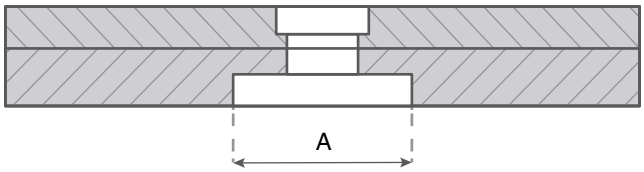


Countersunk and Hole Punch

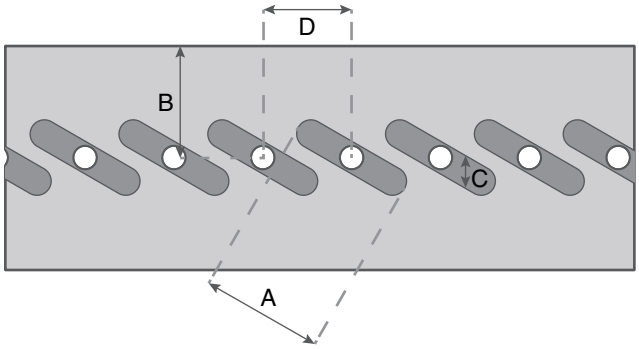


Diagonal Sipes

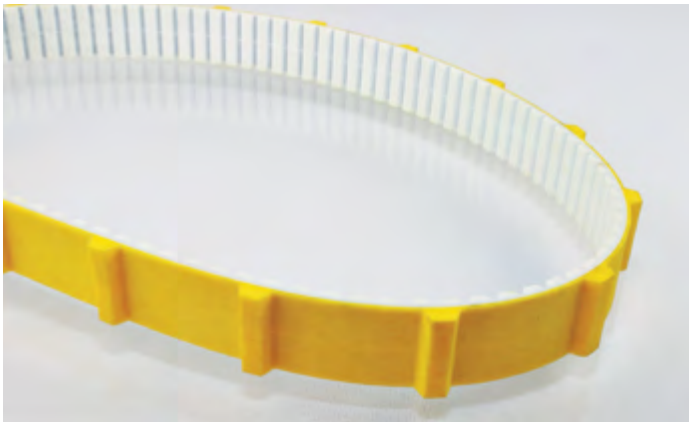
MODIFICATIONS

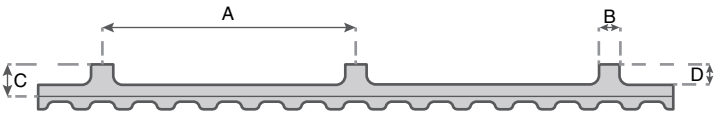


Tooth Side Grind

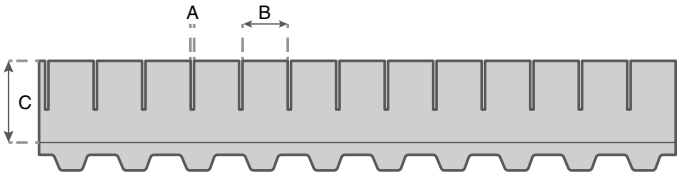


Slots with Holes





Profiles Grooved in Cover



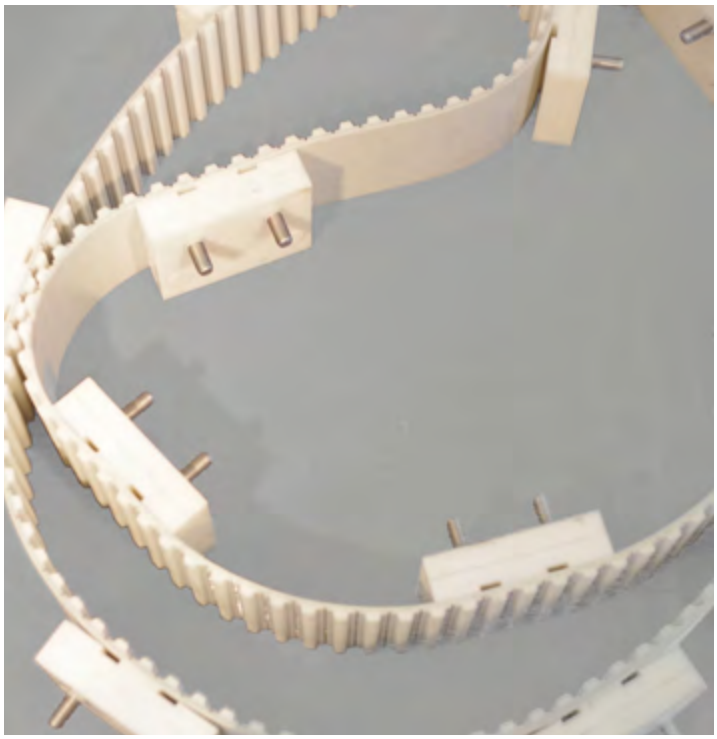
Knife Cut

CLEATS

MEGALINEAR and MEGAFLEX timing belts can be customized with profiles welded on the backside.
All cleats, whether injection molded 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 involved. Using our flexible production capabilities Megadyne can design any cleat shape to meet the specific requirements of the customer:

- from thermoplastic polyurethane strips,
- from injection molding,
- The cleats are attached by using high frequency vibration, hot blade, infrared welding and chemical bonding.



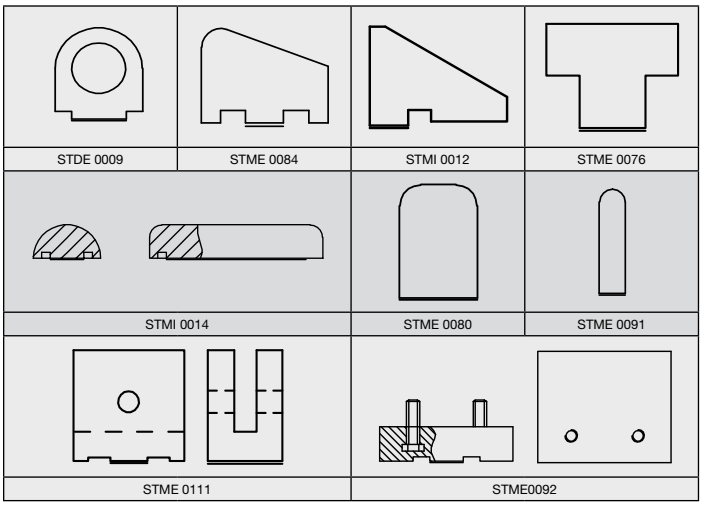
CLEAT MATERIALS

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 colors.
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 mold glass fiber reinforced polyurethane. For additional specials including elastomers with metal inserts, contact Megadyne to discuss your application specific needs.

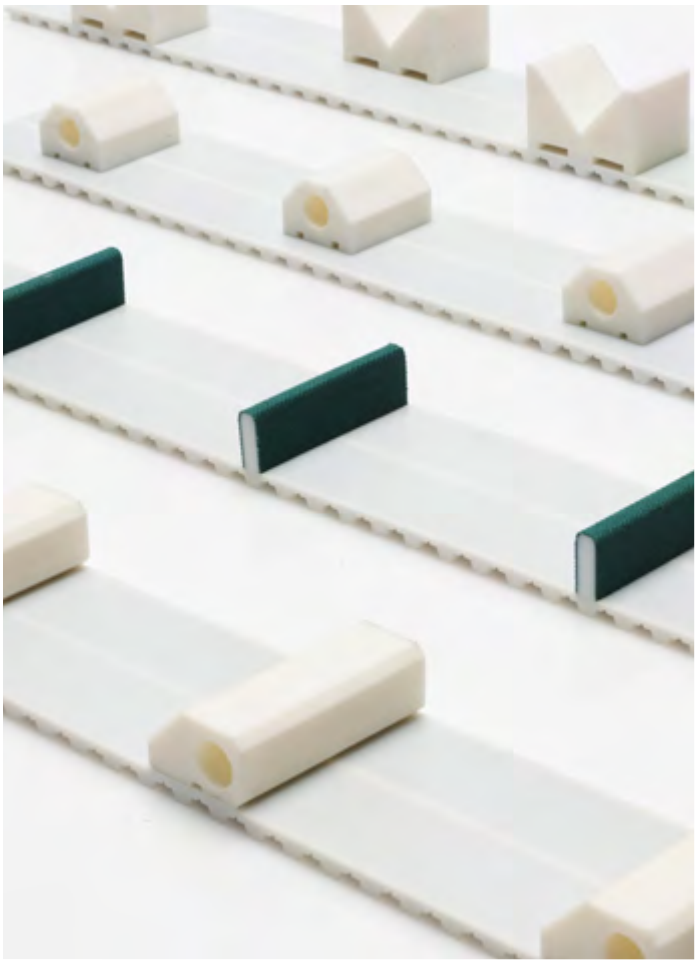
In addition to our standard 92 ShA or harder 96 ShA urethane, Megadyne can provide EU Food compliant /FDA compliant blue or transparent polyurethane for the food and pharmaceutical industry with a hardness of 85 ShA. Blue cleats made with the same FDA material as our blue belt are available to ensure materials compatibility for use in food applications.

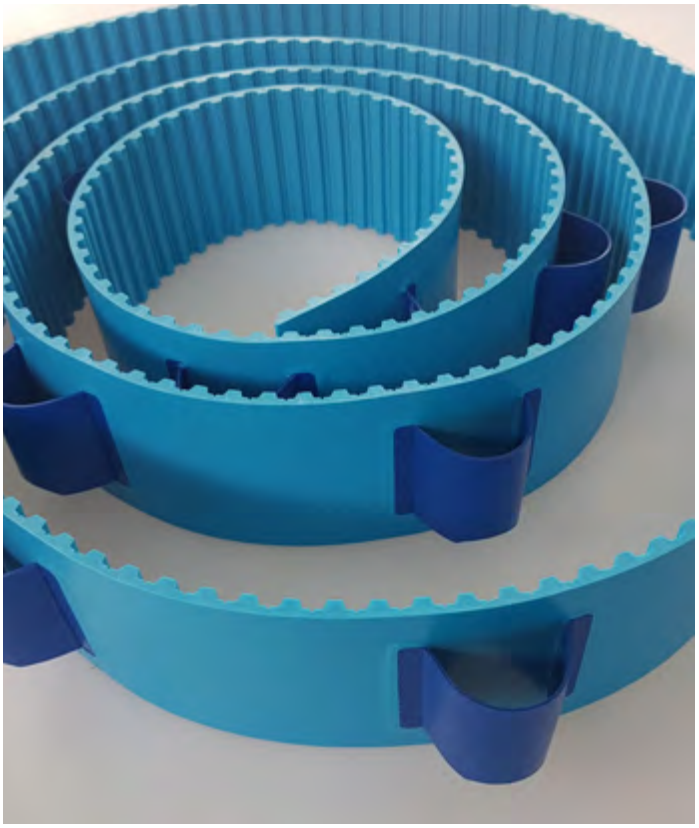
Some cleats Examples



LOOKING FOR CUSTOM CLEATS?

If you require a unique shape cleat for your specific product application, we can help.
Contact our team for more information.





DIMENSIONAL TOLERANCES

The dimensional accuracy of injection-molded cleats depend on the shrinking behavior of the selected polyurethane and the size and shape of the cleat.

- Injection-molded cleats have a general tolerance of up to +/– 0.3 mm.
- Smaller tolerances on request.
- CNC machined cleats have a general dimension tolerance of up to +/– 0.5 mm.

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

Depending on the shape and quantity of cleats to be welded, themoplastic 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.

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.

Permanently joined (not connected) chemical bonding is preferably used for flat, round and thin-walled cleats.

Glass-fiber 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

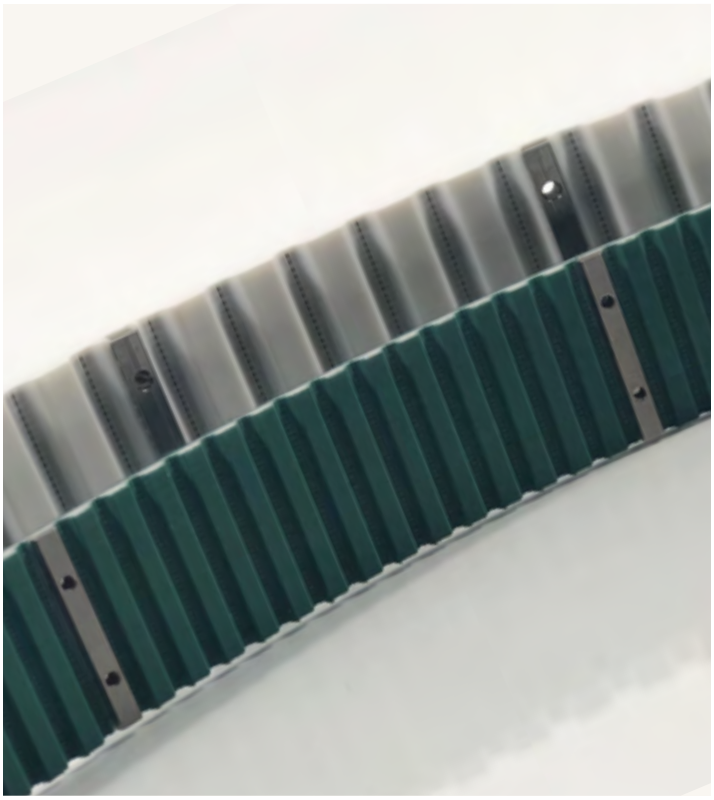
Our False Tooth product is designed to provide an easy mechanical attachment option for placement of cleats and other profiles and shapes to H, AT10 and AT20 pitches. False teeth can be added to both Megalinear open end and Megaflex truly endless thermoplastic urethane timing belts.

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 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.



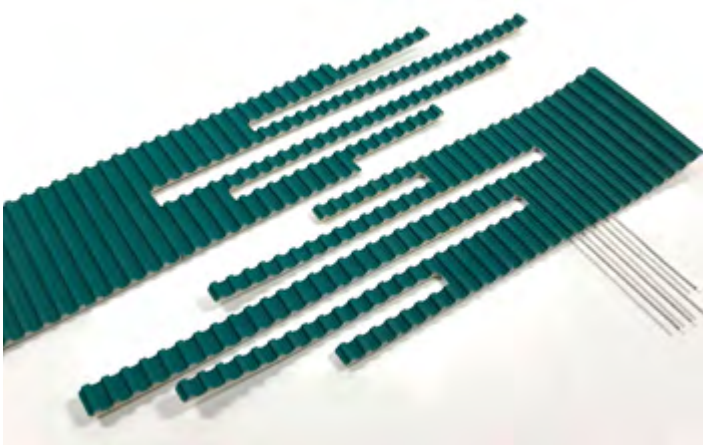
ADVANTAGES OF MEGADYNE FALSE TEETH:

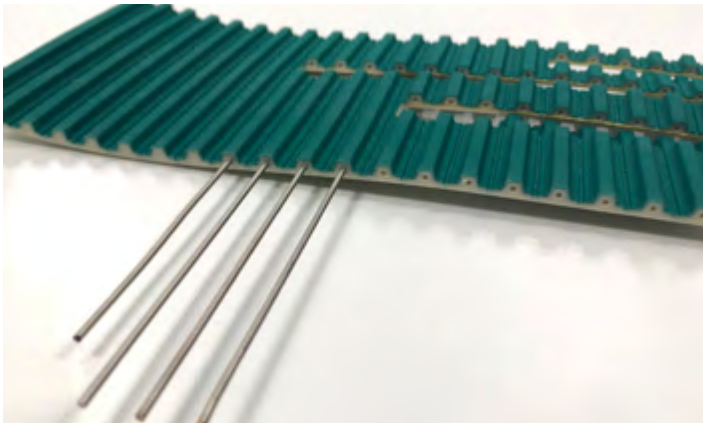
- Easy installation and removal of cleats
- Precise profile positioning
- Reduction cost in assembly and maintenance:
  - Low cost cleat spare part in case of wear and tear
  - No removal of belt needed to replace cleats
- Different cleat materials can be used
- Stainless steel false teeth suitable for food & pharmaceutical industry
- Available with NFT/NFB, FDA Urethane and with steel aramid or stainless steel cords. Self tracking belts can also be provided.

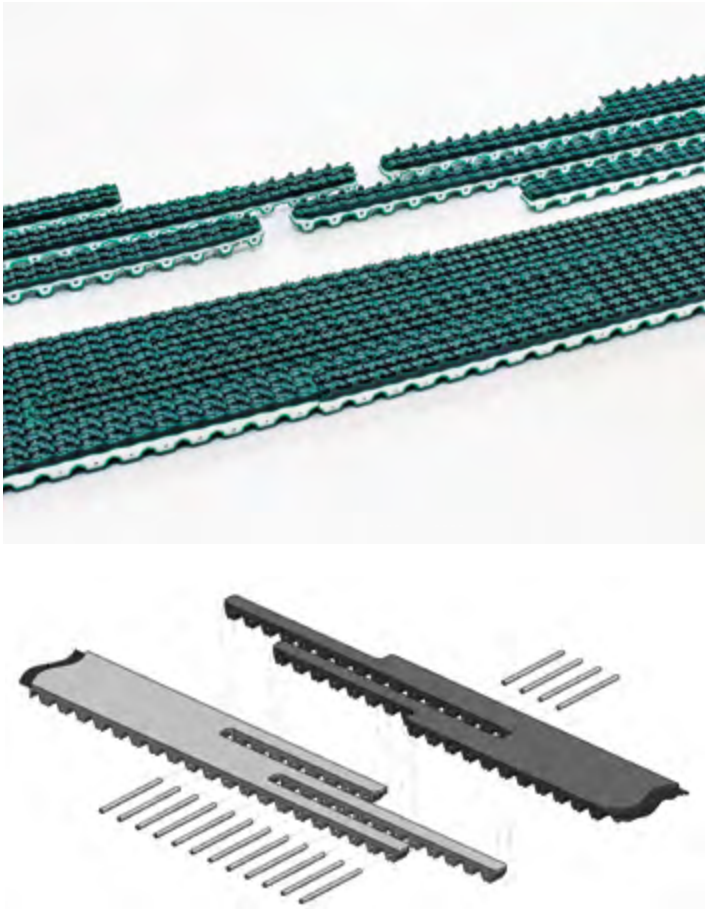
AVAILABLE ON FOLLOWIN BELTS:

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 provides 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.

PPJ is available for the following belt types:

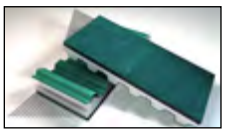
PPJ AVAILABILITY			
BELT TYPE	**WIDTH (mm)**	**BELT TYPE**	**WIDTH (mm)**
T10/AT10	25	**T20/AT20/ATG20**	75
TG10 K6	25	**MTD8/RPP8**	20
T10/AT10	32	**MTD8/RPP8**	30
T10/AT10	50	**MTD8/RPP8**	50
T10/AT10	75	**MTD8/RPP8**	85
T10/AT10	100	**MTD8/RPP8**	100
TG10/ATG10	50	**MTD14**	55
T20/AT20	32	**MTD14**	85
T20/AT20	50	**H075**	19.05 (0.75 in)
HG150	38.1 (1.5 in)	**H100**	25.4 (1 in)
HG200	501 (2 in)	**H200**	50.1 (2 in)

For different widths please consult Megadyne.

AVAILABLE PITCHES AND CORD TYPES

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

AVAILABLE COVERS ON PPJ BELTS



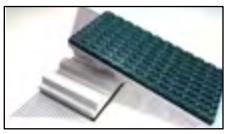
NFT/NFB

AVAFC 60/70/85

APL RED

FISHBONE

RIBBED



SUPERGRIP PETROL

ENGINEERED BELTS

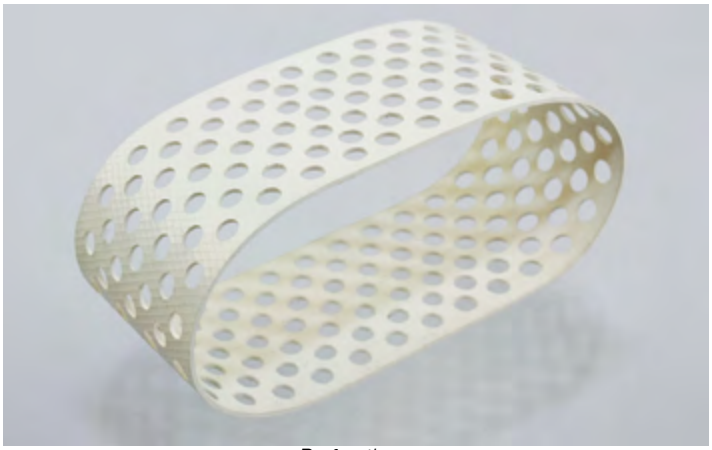
Megadyne offers several advanced engineered elastomers and processes to produce high precision belts for applications within packaging, business machines, aerospace and medical applications.

These elastomers offer performance benefits ranging from high temperature resistance to outstanding flex fatigue to electrical insulation.

Elastomers within this class can be spun cast, molded, wrapped or ultrasonically welded to deliver the performance needed in the toughest applications.

	FILM ULTRASONIC WELDING		SPIN CASTING			VULCANIZATION
Material	**Mylar®**	**Kapton®**	**Hytrel®**	**Urethane**	**Silicone**	**Reinforced Silicone**
Hardness (Shore A)	N/A	N/A	30/40/50/60/70	60/80	55	40
Colors	○	●	●	● ● ● ● ●	●	● ● ●
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 °F (°C)	-94/+320 (-70 /+160)	-148/+716 (-100 /+380)	-40/+212 (-40 /+100)	-4/+176 (-20 /+80)	-40/+446 (-40 /+230)	-40/+446 (-40 /+230)
Water Resistance	Good	Good	Good	Good	Good	Good
Abrasion Resistance	Very Good	Very Good	Good	Good	Poor	Poor
OIL RESISTANCE**	Good	Very Good	Very Good	Good	Poor	Poor
FOOD CONTACT APPROVED	Yes	Yes	No	No	Contact Customer Support	
Other Benefits	Electrical Insulation	UL94 VO Fire Rating	High Flex Fatigue Resistance	Hydrolytic Stability	Low CoF	Heat/Cold Resistance

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



Perforations

Urethane with tracking guide

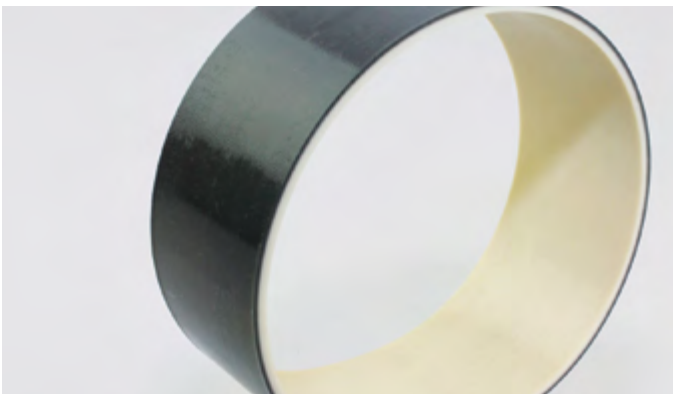
Truly endless Kapton®

Truly endless Hytrel®

Truly endless Silicone

Reinforced Silicone with guide

Foam



Truly endless Hytrel® coated with Silicone

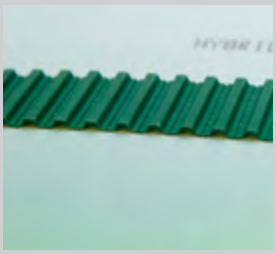
Truly endless Urethane with tabs

Truly endless dual durometer Urethane and Natural Rubber

HYBRID BELTS

Hybrid belts deliver synchronization and conveying in one belt design. Starting with Megadyne conveyor belts, we add extruded timing belts to provide precise positioning and accurate tracking.

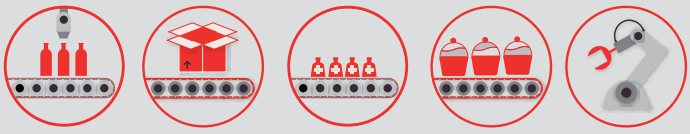
Hybrid, Hybrid Plus and Hybrid Pro belts are available with polyurethane or silicone covers and available with the following urethane belt pitches- H, T5, T10, HTD5, HTD8, STD8, QST5, QST8 and QST14. Consult Megadyne for other pitch and tooth shape requests.

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 (mm)	1000	1000	1000

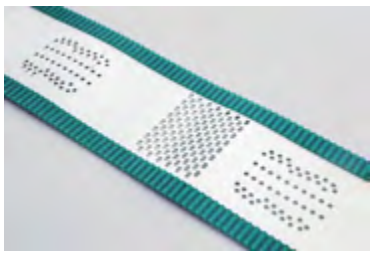
Advantages

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

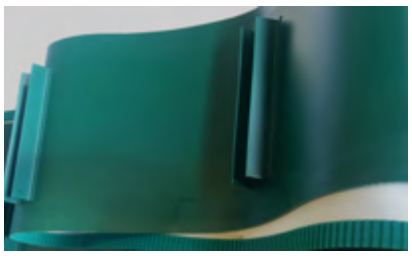
Industries



MAIN MODIFICATION AND SPECIAL REWORKING


Perforation & Holes

Silicone Coated with Perforations

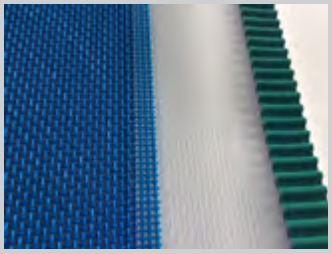

Cleats

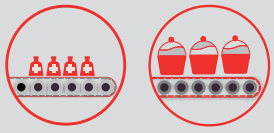
HYBRID BELTS FOR VACUUM

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

POLYSPIRAL

Monofilament sceen belts are recommended in applications where permeability is beneficial to facilitate the flow of air or liquid.

Type	Hybrid Vacuum
	
Conveyor belt	Polyester open mesh with PUCON
Conveyor belt fabric	Rigid polyester
Megalinear Belt type and pitch	H, T5, T10, HTD5, HTD8M, STD8M
Megalinear cord types	Kevlar, No cord
Megalinear durometer/color	92A White
Megalinear NFT	Yes
# of Megalinear belts	Two, belt edges
Max Belt width (mm)	1000
Advantages	• Driven speeds up to 500M/min. • Precision positioning • Energy savings • Enables compact conveyor designs • Open mesh allows vacuum or drainage
Industries	 Packaging · Material handling · Medical Industry · Food · Robotics & Automation

Polyspiral	
Screen Options	Fine - Medium - Jumbo
Permeability CFM	800 - 800 - 1100
Mesh count per inch	23x7.00 - 18x5.50 - 10x4.00
Tensile strength pli (pounds per lineal inch)	1500 pli
Minimum Pulley diameter (at 180°)	2" - 3" - 5" 50.8mm - 76.2mm - 127mm
Colors	
Advantages	• Interlocking spirals connected with monofilamet pins • Stuffers available to reduce permeability • Smooth unifor surface
Industries	 Medical Industry · Food

PRODUCTS EXAMPLE GALLERY

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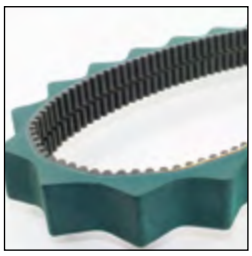
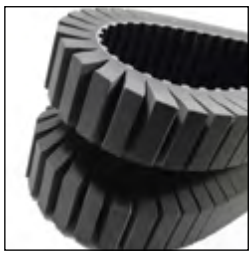
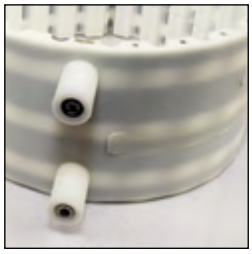
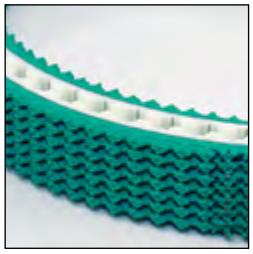
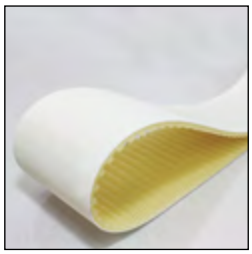
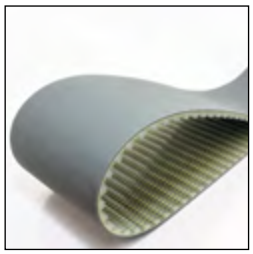
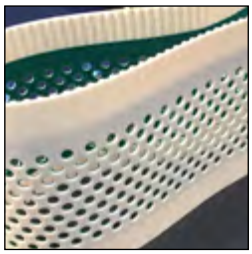
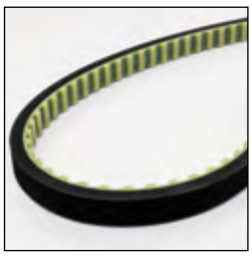
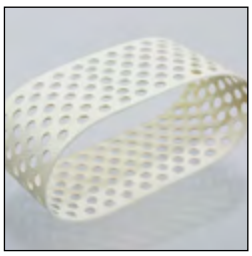
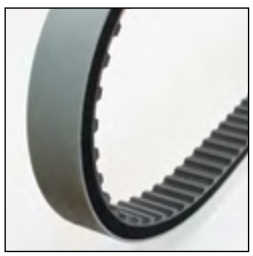
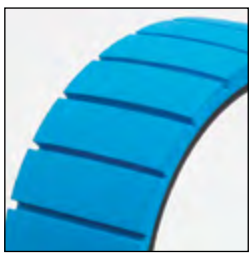
1					
2					
3					
4					
5					

TERMS, CONDITIONS & WARRANTY OF SALE

All prices, terms and conditions of sale are subject to change without prior notice. Buyer agrees to all terms and conditions of seller upon the placement of any and all purchase orders.

GENERAL

- All orders are subject to a minimum charge of $25.00
- All claims must be made within seven (7) days of receipt of merchandise.
- The company reserves the right at all times to reject any and all orders for any reason.

PAYMENT TERMS

- Net 30 days (to approved and qualified accounts)
- We reserve the right to hold shipments against past due accounts.
- Seller may require full or partial payment in advance if, in its sole judgement, the financial condition of the buyer does not justify the terms specified.
- All past due accounts are subject to a late payment charge of 1.5% per month, or maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees
- Returned checks are subject to a minimum $50.00 charge.

ACCEPTANCE, ALTERATION AND CANCELLATION OF ORDERS

Orders for other than standard items or standard lengths may not be canceled after purchase has been committed, production scheduled or any costs incurred.

RETURN OF DEFECTIVE MERCHANDISE

Defective or failed material to be held at the buyer's premises until authorization has been granted by seller to return or dispose of merchandise. Merchandise to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon our inspection based on prices at time of purchase.

MERCHANDISE SHIPPED IN ERROR

Buyer must notify seller immediately on any merchandise shipped in error. Upon notification, merchandise is to be returned to seller either via truck on a Freight Collect basis, via carrier of our choice, or via UPS on a Freight Prepaid basis. Buyer will be reimbursed for cost of merchandise, plus any additional freight which may have been incurred due to shipping error.

MERCHANDISE ORDERED IN ERROR

Standard packaged merchandise only may be returned, provided that the merchandise is in the original buyer's possession not more than 30 days. If merchandise is accepted for return, merchandise must be returned Freight Prepaid, and buyer will be charged a minimum of 15% rehandling charge, plus a chargeback for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any merchandise that is specifically manufactured to meet the buyer's requirement of either specifications or large quantity.

DELIVERY, DAMAGES, SHORTAGES

Delivery to the initial common carrier shall constitute the delivery to the buyer. Our responsibility, insofar as transportation risks are concerned, ceases upon the delivery of the merchandise in good condition to such a carrier, and all the merchandise shall be shipped at the buyer's risk.

GOODS DAMAGED IN SHIPMENT

Upon receipt of shipment, any evidence of damage to original shipping package must be reported by the receiving party and a claim made with the delivering carrier upon receipt of shipment.

CONCEALED DAMAGE

Any evidence of damage to material shipped, upon the opening of the original shipping package, must be reported by the receiving party to and a claim made with the delivering carrier without delay.

MEGADYNE AMERICAS

LIMITED WARRANTY

The merchandise or products sold or distributed by Megadyne America are warranted to our customers to be free from defects in material and workmanship at the time of shipment by us. All warranty claims shall be made within 90 days after we have shipped the merchandise. Our liability hereunder is limited to the purchase price of any merchandise proved defective, or, at our option, to the replacement of such merchandise upon its authorized return to us.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS.

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