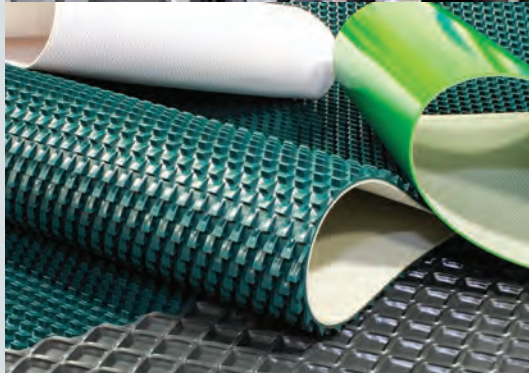
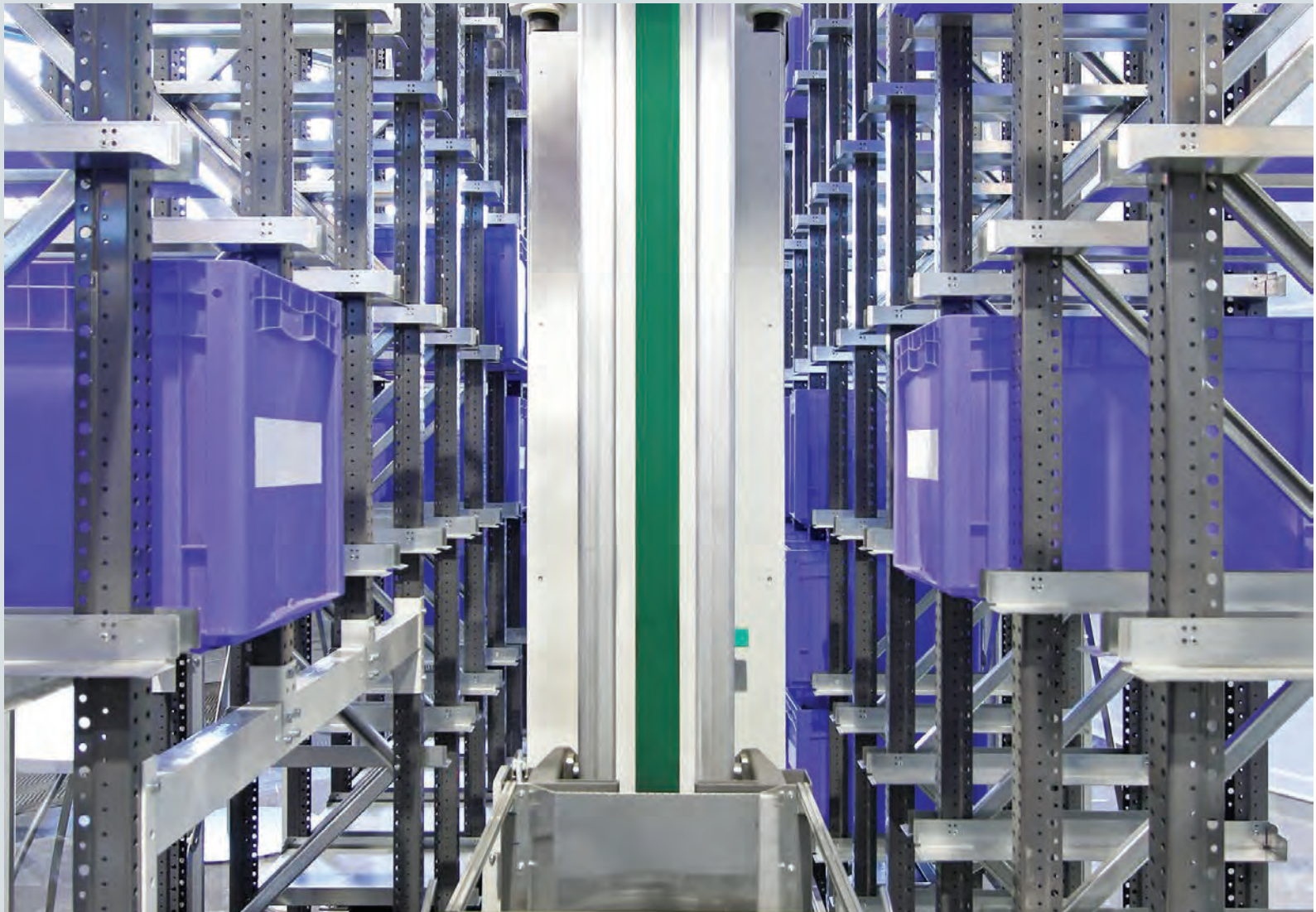


MATERIAL HANDLING



MEGADYNE

Material Handling

Founded in 1957 in Mathi, Italy, Megadyne is a manufacturer of industrial belting used in power transmission, product handling and linear positioning applications. Our worldwide manufacturing, fabrication and distributions locations and commitment to investment in product and process development make Megadyne a global leader in rubber and urethane power transmission, conveying, specialty and lift belts. Megadyne’s extensive experience is crucial in the Material Handling market which is all about precise positioning and placement. With a broad portfolio of belt types, process capabilities and material options Megadyne belts are used in general conveying, specialty handling and high speed bi-directional lifting applications.


Belt Properties

Megadyne offers a complete line of belt substrates for power transmission, conveying, specialty and lift belts.

Belt Type	Isoran Platinum/Gold/ Silver/Silver2	Megalinear / Megaflex Synchronous Belts	Megapower Synchronous Belts	Rubber Multi-Vee Elastic Belts	V-Belts
Supplied As:	Endless	Endless,Joined or PPJ	Endless	Endless	Endless
Length:	5M - 180 - 2525 mm 8M 248 - 4400 mm 14M 966 - 4956 mm	Megalinear 0.5-100 m Megaflex 1.5 - 22.76 m	225 - 2250 mm	Consult Megadyne	Consult Megadyne
Width:	12 - 170 mm*	12 - 150 mm	6 - 75 mm	PJ - 2-4 ribs; PK 6-10 ribs	
Pitch / Section:	5M, 8M, 14M	T10, AT10, AT20, RPP14	T10, AT5, AT10	PJ, PK	Classical A, B Cogged AX, BX
Compound;	Rubber	PU	PU	Rubber	SBR and/or CR blend
Tension Member:	Fiberglass, Steel, Dual Core	Kevlar, HP,HF,HPF, Stainless Steel	Steel	Nylon Elastic Cord	Polyester
Advantage & Characteristic:	High stability & resistance	High resistance belts available in different lengths	Strong, wear resistance	Wear Resistance, Eliminate Idlers, Reduce Maintenance	Long Life & Good Performance
*Standard Width Range - Megadyne will cut to desired with upon request.					

Cover Properties

An extensive range of cover materials allows Megadyne to create the correct covered belt for every application. Belts can be further customized with a wide range of modifications to suit any need.

Cover Description	Material	Color	Hardness (Shore A)	Available Thickness (mm)	Cover Benefit
AVAFC 85 	PU	Transparent	85	2 to 4	Excellent cut and wear resistance and good oil resistance.
DuraTaq® 	Natural Rubber	Orange	45	2.4 to 14	Excellent grip with wear resistance.
Linatex® 	Natural Rubber	Red	40	2 to 12	High Grip with good wear resistance.
Mini Grip 	PVC	Green	55	1.3	Good grip, non-marking, good oil and wear resistance
NFT 	Nylon	Green	N/A	N/A	Low friction on belt tooth side.
NFB 	Nylon	Green	N/A	N/A	Low friction on belt conveying side.
Red Natural Rubber 	Natural Rubber	Red	40	2.4 to 14	Good resistance to water with good wear resistance.
Super Grip 	PVC	Petrol	55	4.5	Good grip, non-marking, good oil and wear resistance
Linatex® is a registered trademark of Weir Minerals					

Conveyor Belt Properties

PUCON (TPU belts)

85, 88 or 92 shore a polyurethane belts. This series features excellent resistance to abrasion and cutting as well as many chemicals and oils.

Belt	Article Number	Thickness		Working Temperature		Elongation pull per 1%		Minimum Pulley		Plies	Embossing surface
		mm	in	C°	F°	N/mm	Lbsf/in	mm	in		
PV6/A	KD1DG801	0,80	0.03	-30/+100	-22/+212	5	29	8	0.31	1	-
PV8/A	KD2DG1301	1,30	0.05	-30/+100	-22/+212	8	46	30	1.18	2	-
P8/A	KD2WH1303	1,30	0.05	-30/+100	-22/+212	8	46	30	1.18	2	-
P9/A	KD2WH1301	1,30	0.05	-30/+100	-22/+212	6	34	8	0.31	2	-

PVCCON (PVC - limited oil resistant)

This range include soft belts (45 Shore A) with high coefficient of friction and harder belts (74 Shore A) with good resistance to abrasion and cutting. The large variety of patterns ensures the availability of the right belt for any application where a high grip is required. Some belt types in this group are available with noiseless fabrics and flame retardant constructions.

Belt	Article Number	Thickness		Working Temperature		Elongation pull per 1%		Minimum Pulley		Plies	Embossing surface
		mm	in	C°	F°	N/mm	Lbsf/in	mm	in		
L20/BW	KA2PG2301	2,30	0.47	-10/+70	+15/+158	14	80	50	1.97	2	BW
L10/F	KA2GR2401	2,40	0.09	-10/+70	+15/+158	8	46	40	1.57	2	F
L10/LG	KA2GR2601	2,60	0.10	-10/+70	+15/+158	8	46	40	1.57	2	LG
L10/M	KA2PG5201	5,20	0.20	-10/+70	+15/+158	8	46	40	1.57	2	M
L20/H	KA2PG8501	8,50	0.33	-10/+70	+15/+158	12	69	60	2.38	2	H
N20/A	KA2BL2601	2,60	0.10	-10/+70	+15/+158	14	80	60	2.36	2	-
N20/M	KA2BL5701	5,70	0.22	-10/+70	+15/+158	14	80	50	1.97	2	M
N20/BW	KA2BL2302	2,30	0.09	-10/+70	+15/+158	14	80	50	1.97	2	BW
N20/LG	KA2BL3001	3,00	0.12	-10/+70	+15/+158	14	80	35	1.38	2	LG
U10	KAPG2001	2,30	0.47	-10/+70	+15/+158	8	46	30	1.18	2	-
U20	KAPG2501	2,50	0.10	-10/+70	+15/+158	12	69	50	1.97	2	-

FABCON (Fabric belts - bxb)

Raw fabric (bare by bare) belts with fabric surfaces made of polyester, cotton, or a special cotton/polyester blend. Suitable for use on applications with or without product accumulation and for general conveying

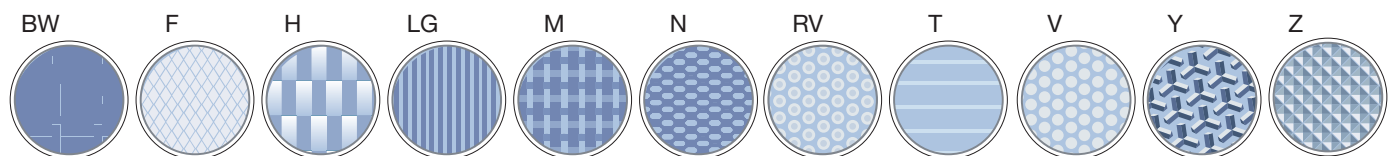
Belt	Article Number	Thickness		Working Temperature		Elongation pull per 1%		Minimum Pulley		Plies	Embossing surface
		mm	in	C°	F°	N/mm	Lbsf/in	mm	in		
R10	KC2WH1201	1,20	0.05	-10/+70	+15/+158	8	46	30	1.18	2	-
R13	KC2TR1001	1,00	0.04	-10/+70	+15/+158	6	34	20	0.79	2	-

FELTCON (Felt belts)

Felt belts are made with polyester felt covers impregnated with a special rubber blend. Excellent resistance to abrasion and to temperatures up to 120° C when metal laced. Good resistance to oils, fats and many chemical agents.

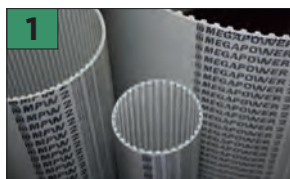
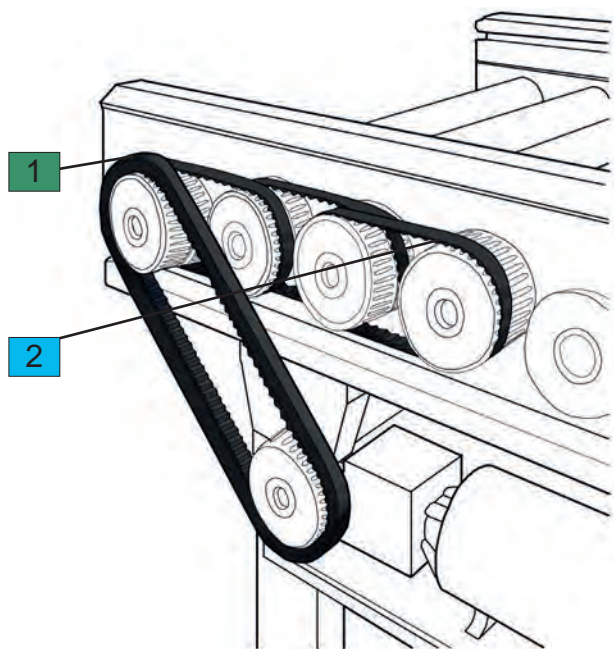
Belt	Article Number	Thickness		Working Temperature		Elongation pull per 1%		Minimum Pulley		Plies	Embossing surface
		mm	in	C°	F°	N/mm	Lbsf/in	mm	in		
SAM 025/A	KG1GR2501	2,50	0.10	-10 / +120	+14/+250	15	86	20	0.79	1	-
SAM 40/A	KG1GN4001	4,00	0.16	-10 / +120	+14/+250	17	97	80	3.15	1	-
SAM 055/A	KG1GR5501	5,50	0.22	-10 / +120	+14/+250	17	97	120	4.72	1	-

Conveyor Embossing Surfaces



Roller Conveyor

Timing belts or multi-vee rib belts are commonly used on roller conveyors. On the external side of the roller, power transmission belts deliver power from the motor to the main driven conveyor roller. From this stage rollers are interconnected by either timing belts or multi-vee rib belts, some of which can be produced with elastic-stretch properties.



MEGAPOWER 2 cast urethane belts produced in a mold to precision dimensions.



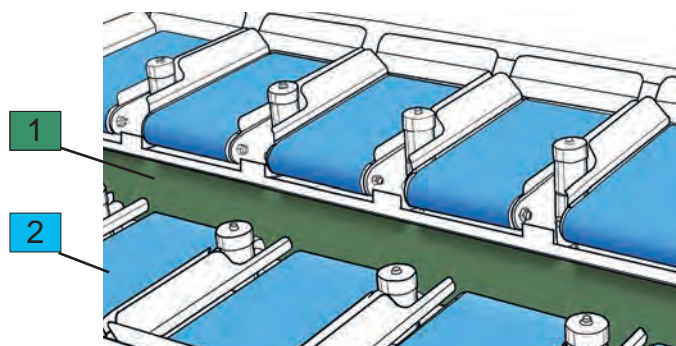
RUBBER SYNCHRONOUS BELTS AND V-BELTS molded to length and pitch designation.



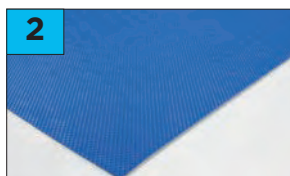
RUBBER & PU RIBBED BELTS with stable or elastic cords available in rubber or spin cast polyurethane.

Cross Sorter

Cross sorter conveyors are used to off load goods onto a general conveyor belt. Cross sorter belts are typically spliced endless and have light impression cover surfaces to assist in product movement. After product is sorted, general conveying is done on a cross sorter transfer conveyor. Good frictional grip with high abrasion resistance is sought.



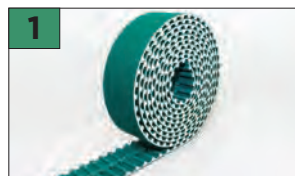
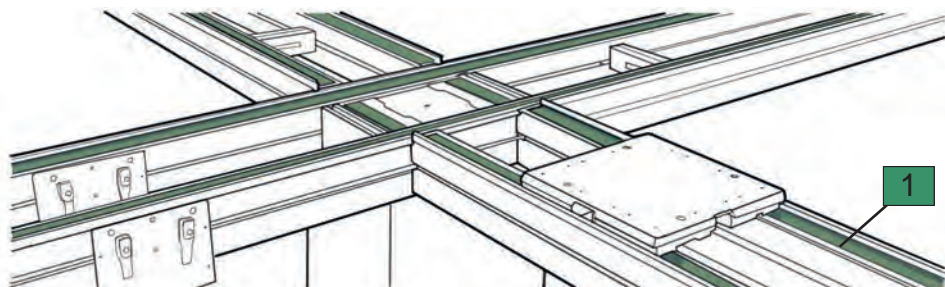
PUCON conveyor belts with smooth covers in 1 or 2 ply can be joined endless or mechanically laced to the exact length of your application.



PVCCON CONVEYOR BELTS are available in many surfaces including negative pyramid, longitudinal grooves, and snakeskin to correctly match the material being conveyed.

Pallet Conveyor

Pallet Handling Conveyors are designed to move light to heavy loads in a precise, flexible manner. Used in warehouse picking and delivery systems or in assembly operations in a number of manufacturing environments.



MEGALINEAR POLYURETHANE SYNCHRONOUS BELTS with nylon on the tooth and backside (NFT/NFB).

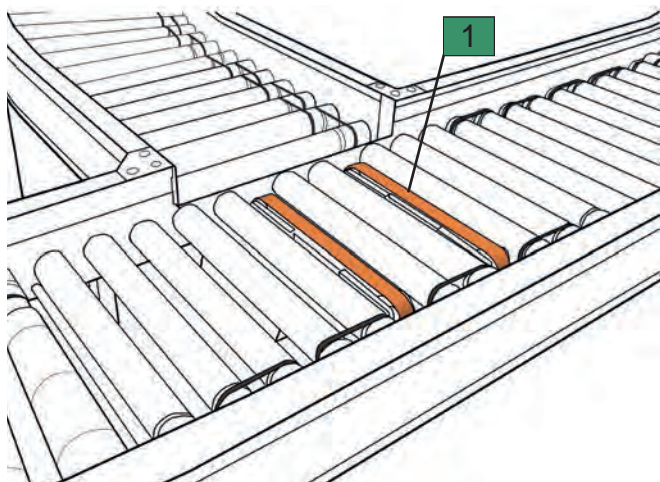


MEGALINEAR POLYURETHANE SYNCHRONOUS BELTS with antistatic fabric on the tooth and back side.

Diverters

In today's warehousing and distribution environments, offloading of product for specific fulfillment needs can be accomplished with high friction belt right angle diverters.

Starting with a base synchronous belt, we offer a broad range of high friction cover surfaces. From Megalineer joined urethane synchronous belts and Megaflex truly endless urethane synchronous belts with TPU smooth covers, to rubber synchronous belts with homogeneous covers, along with specialty cover materials like DuraTaq® high friction - we've got you covered.



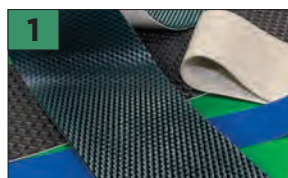
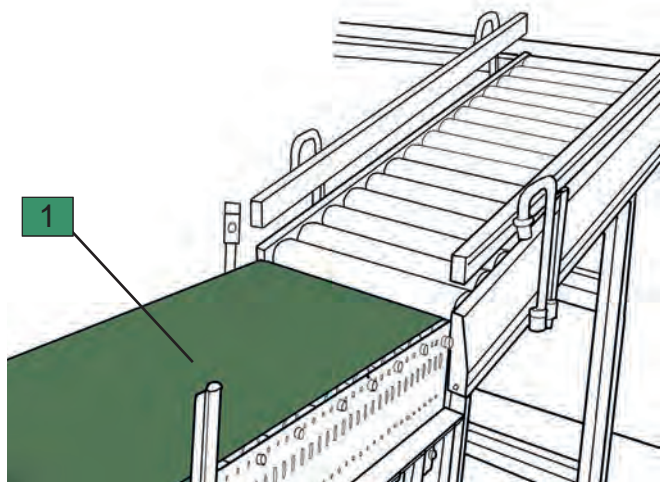
RUBBER SYNCHRONOUS BELTS with high friction molded covers including DuraTaq® and Linatex®.



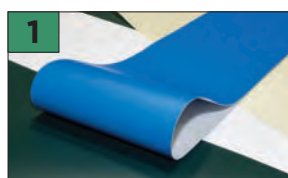
URETHANE SYNCHRONOUS BELTS in truly endless Megaflex or joined Megalineer with high friction covers used to divert goods 90° from the starting direction of travel.

Offloading & Delivery Conveyors

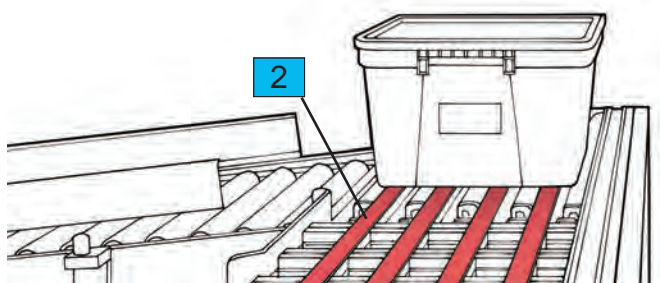
Offloading and delivery conveyors are typically fitted with flat belts, however multiple path urethane timing and rubber belts with high friction covers are also common. Special cover materials are available on belt used where accumulation occurs.



PVCCON conveyor belts with smooth or embossed surfaces.



PUCON conveyor belts with smooth surfaces.



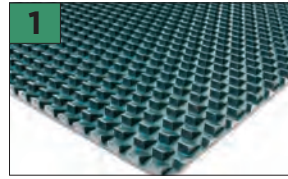
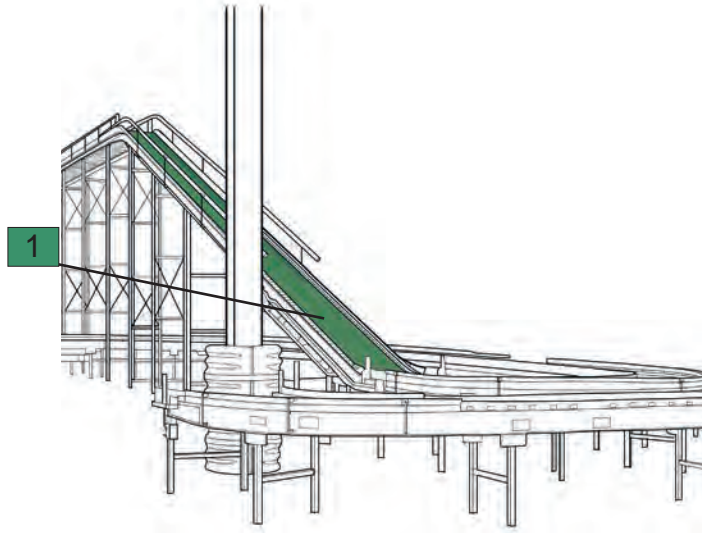
SYNCHRONOUS BELTS available in urethane or rubber with high friction covers.



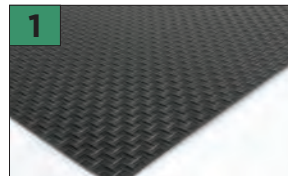
MOLDED RUBBER FLAT & SYNCHRONOUS BELTS with high friction covers.

Incline Conveyors

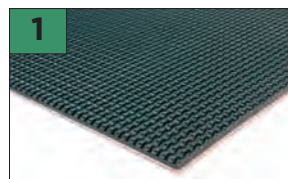
In many cases, the need to get product from one level to the next without roll back, is commonly done using incline conveyors belts. Megadyne Sampla, offers several PVCCON belts with surface impressions. These impressions offer high grip to move the product up inclines without rollback. Surface impressions like longitudinal grooves, sawtooth or rough top are designed to offer incline conveying up to 45°. Megadyne Sampla belts can be mechanically joined or spliced endless and high frequency welded cleats can added to avoid roll back of product on steeper inclines.



PVCCON L SERIES with H Structure "Staggered Saw Tooth."



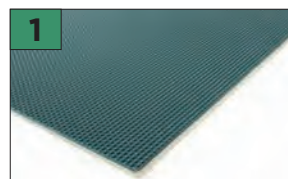
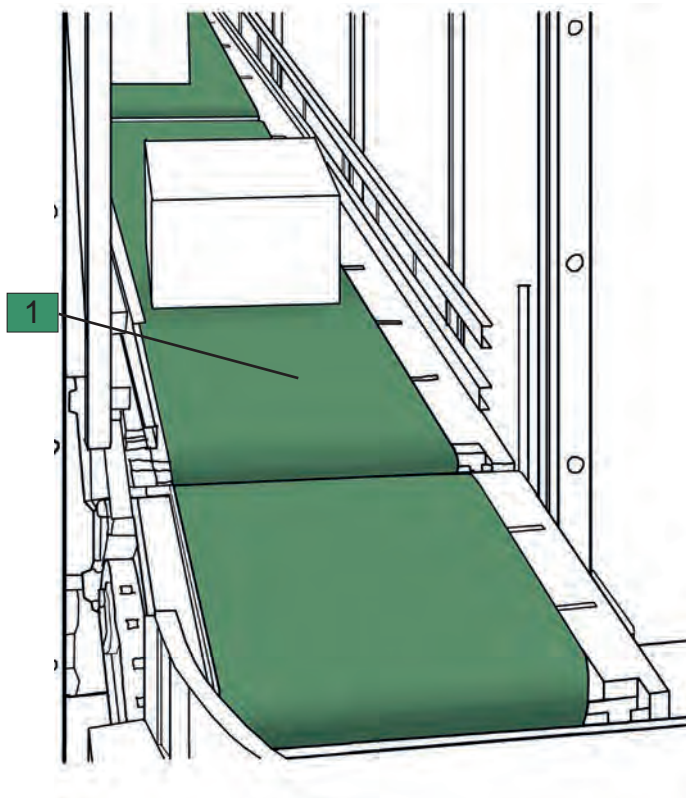
PVCCON N SERIES with BW Structure "Basket Weave."



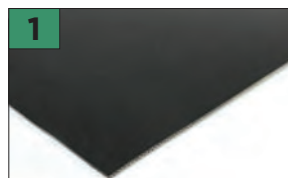
PVCCON L SERIES with M Structure "Rough Top."

Line Conveyors & Gapping Conveyors

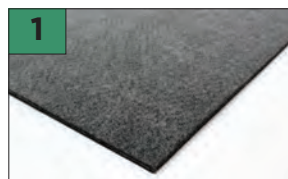
Megadyne Sampla offers a wide range of PVC, PU and fabric conveyor belts for general conveying applications on both slider bed and roller bed systems. Belts are available with smooth or embossed surfaces, in 2 and 3 ply and antistatic, cut resistant, noiseless fabrics and/or flame retardant constructions. FABCON and FELTCON conveyor belts are ideal for applications with product accumulation, where the belt provides a lower friction on the conveying side, allowing the product to remain stationary while the belt keeps moving underneath. Common on high volume conveying lines are gapping conveyors. By changing the speed, these conveyors can create gaps between products for an easier sorting, reading and labeling processes.



PVCCON PVC based conveyor belts.



PUCON TPU based conveyor belts.



FELTCON felt based conveyor belts.



FABCON fabric based conveyor belts.

Automated Storage Retrieval System (ASRS)

Large Warehouse and Distribution centers use computer aided technology to move and store small and large goods being inventoried. Megadyne high strength synchronous belts are used in both single and double mast fixed aisle lift systems, as well as on gantry cranes and carousel systems.



MEGALINEAR open end urethane timing belt in MTD14, RPP14 and AT20 pitch with or without NFT or NFT/NFB available with standard steel or high performance cords.



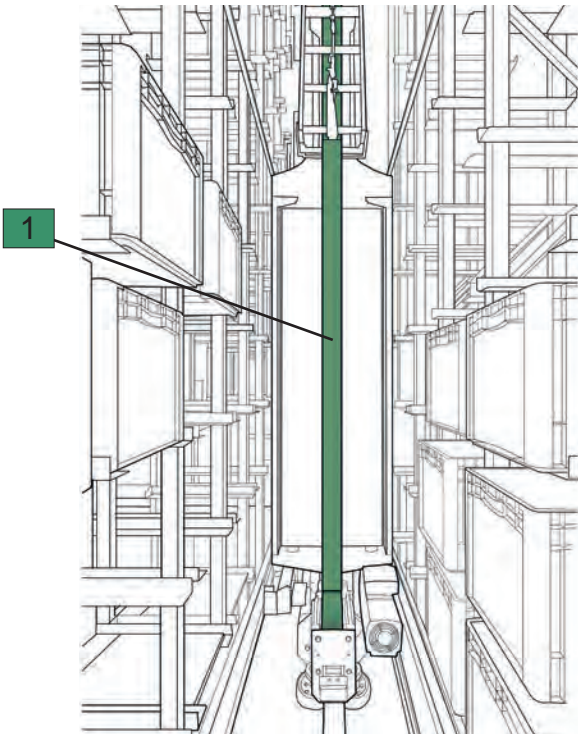
MEGALINEAR QST open End urethane available in 14M pitch. This offset helical tooth design offers low noise and positive engagement in Bi-directional lift applications



RPP-STEEL rubber molded RPP 14 pitch open-end belt with high strength steel cords for lifting applications

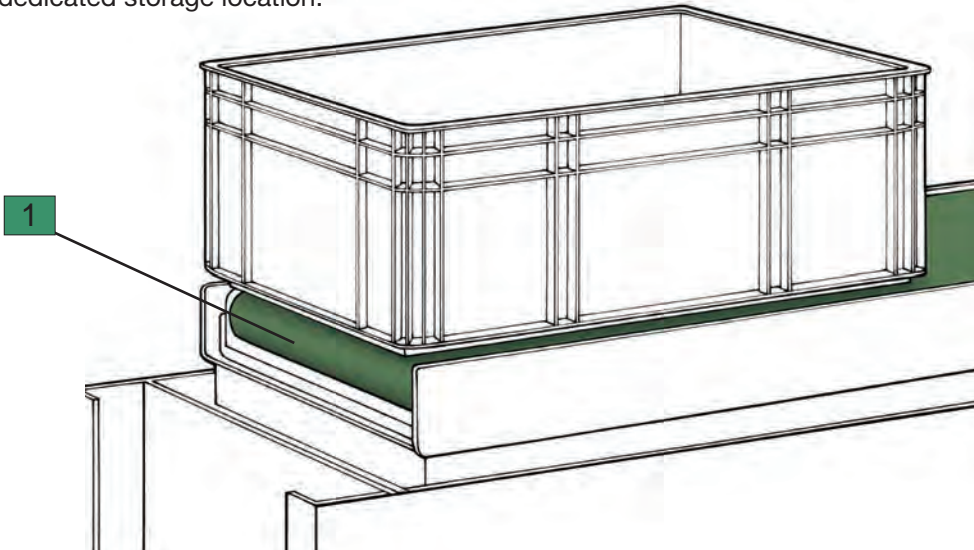


MEGALINEAR GW urethane 14 and 20 mm pitch open end belt with very high strength steel cords for lifting and gantry crane applications within warehouses.



Transport Platform

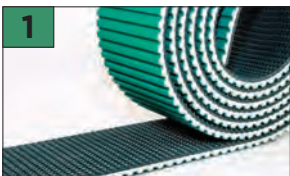
As part of the ASRS systems, transport platforms are used to shuttle the goods being stored from the lifting apparatus to the storage rack. Timing belts with high friction, wear resistant covers or conveyor belts are used to telescope product into the dedicated storage location.



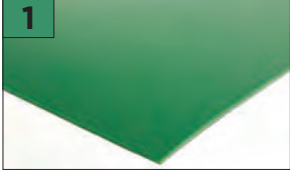
MEGAFLEX truly endless urethane belt with added covers offering high friction and wear resistance.



RUBBER ENDLESS TIMING BELTS with molded covers, such as Durataq offer good grip and wear resistance.



MEGALINEAR joined endless belts with added covers offering high friction and wear resistance.



PVCCON & PUCON conveyor belts in PVC or TPU with smooth or embossed surfaces offer high grip and wear resistance.

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