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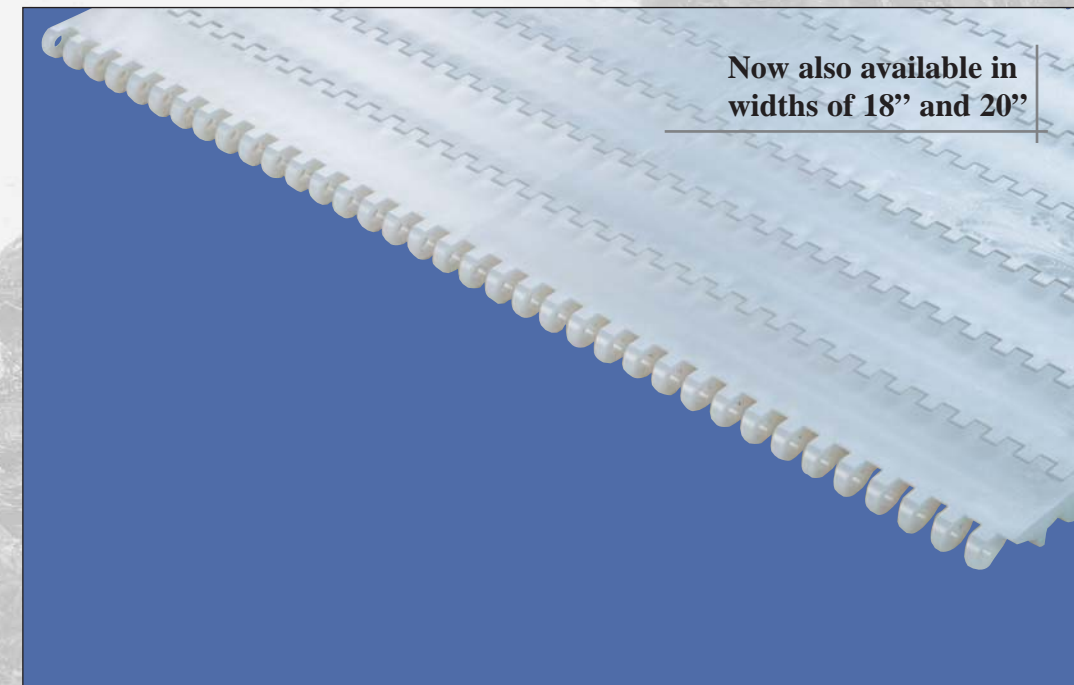


Ukraine
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uni MPB Single Link™

- A new standard in belt hygiene and operational efficiency



Now also available in widths of 18" and 20"

- Full-width one piece design
- Minimum cleaning time and associated costs
- Increased belt rigidity and impact resistance
- Reduced downtime and maintenance costs
- The elimination of directional joints reduces the bacteria growth



Modular Belts and Hygiene

High standards of hygiene are essential in modern food processing. It is therefore crucial that processing machinery and materials are easily cleaned and remain free from bacteria.

A 23.7" meat cutting line of traditional modular belt construction would typically comprise of 6" modules with 4 or more directional joints. Capillary action on these numerous slots can draw in fluids and if not cleaned correctly, can generate opportunities for bacterial growth. Unfortunately, increasing the slot sizes to improve cleaning efficiency also increases the opportunity for waste product ingress and further bacteria possibilities.



No joints with uni MPB Single Link™

For uni-chains the solution was obvious: remove the joint slots. The result is the new **uni MPB Single Link™**, a 23.7" (603 mm) full-width link molding that eliminates the directional joints throughout the belt width. Hygiene maintenance is simpler, the surface is stiffer and more even, impact resistance is improved and maintenance reduced. The ideal solution to a demanding application.



The many advantages of using uni MPB Single Link™

Hygiene

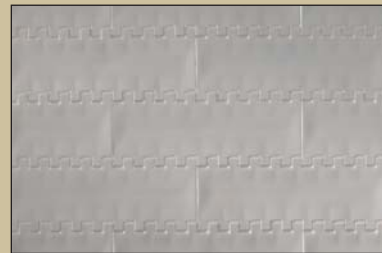
In addition to the full width link that eliminates all directional joint slots and potential bacteria retention, the **uni MPB Single Link™** design incorporates conical design hinges within the transverse links; allowing faster and more effective cleaning, with a consequent reduction in detergent use and manpower utilisation. Furthermore the self-draining design of the belt ensures that liquids or detergent remnants are drained automatically from the bottom of the belt.

Ergonomics

Side transfer of heavy or bulky products are better accommodated with the elimination of the directional joints. Surface irregularities are reduced and rigidity is improved.

Knives and similar implements can be used unhampered across the entire surface, without getting caught in the link joints.

uni MPB C



Traditional assembly pattern with numerous directional joints

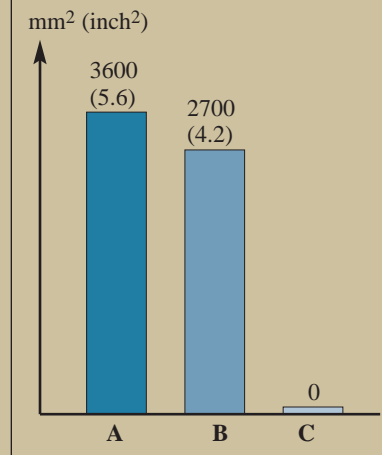
uni MPB Single Link™



uni MPB Single Link™ with full width links and no directional joints

Compared with traditional assembly patterns, **uni MPB Single Link™** removes almost 1 m² (11 ft²) of "restricted access" end surfaces within a 6 m (20 ft) conveyor.

Area of inaccessible end surfaces per pitch on a 23.7" wide belt



A: Traditional 603 mm (23.7") wide belt assembled with 3 x 6" modules and 2 x 3" modules.

B: Traditional 603 mm (23.7") wide belt assembled with 4 x 6" modules.

C: uni MPB Single Link™ full width module belt assembly.



Reduced belt damage

Compared with traditional modular belt construction, **uni MPB Single Link™** eliminates nearly 80% of the module corners vulnerable to impact damage, whilst improving the load distribution and consequent belt efficiency.

Better economy, reduced maintenance and downtime

The **uni MPB Single Link™** is assembled from fully symmetrical modules covering the total width of the belt. This makes maintenance simplicity itself: Only one type of module to stock and fit, that cannot be placed incorrectly, and no special skills or tools to replace damaged links required.

uni MPB Single Link™ is the most cost effective modular belt solution for the meat and equally demanding industry sectors. Economical in both initial cost and operational efficiency, **uni MPB Single Link™** also brings other savings in reduced cleaning costs, minimum maintenance and long term reliability.

Belt Specifications

Standard materials:

- POM-I
- PP
- PE-I

Standard pin materials: PP, white and PA6.6, natural

Permissible Tensile Strength

Belt material	POM-I		PP		PE-I	
	N/m	lbf/ft	N/m	lbf/ft	N/m	lbf/ft
uni MPB K2400	27500	1884	16000	1096	13000	891

The values in the tables are for belts at +20°C (+68°F). Please contact uni-chains for data at other temperatures.

Belt Weights

Belt material	POM-I		PP		PE-I	
	kg/m ²	lb/ft ²	kg/m ²	lb/ft ²	kg/m ²	lb/ft ²
uni MPB K2400	11.9	2.44	8.3	1.70	8.8	1.80

Sprockets

No. of teeth: 6, 8, 10, 12.

Standard material: Polyamide.

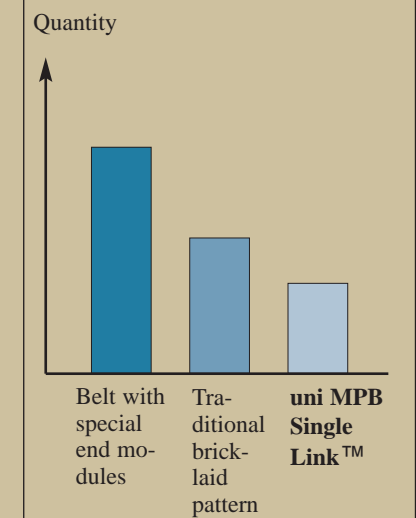
Other sprocket sizes are available upon request. Please, see uni-chains Belt Catalogue.

Max. Load per Sprocket

uni MPB	N	lbf
With snub roller	2000	450
Without snub roller	1250	281

Recommended minimum number of sprockets: 1 per 150 mm (6 inch) across shaft.

Required spare parts



Pitch: 50.8 mm (2.00 inch)

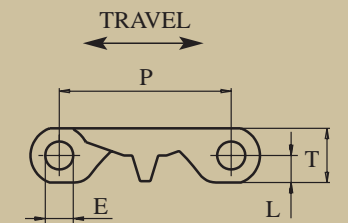
Backflex radius: 65 mm (2.6 inch)

Locking system: uni Lockpin

Patents: 000006499-001, 000006499-002, 000006499-003, GB2309062

U.S.: 6.332.531, 6.390.288

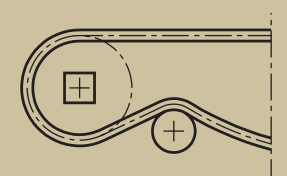
USA: Patent pending



	mm	inch
E	8.3	0.33
L	8.0	0.31
P	50.8	2.00
T	16.0	0.63



Width of sprockets: 42.3 mm (1.67 inch)
Tooth width: 9.5 mm (0.37 inch)



Snub roller