Intralox

Modular Plastic Conveyor Belts

July 2004

Belt Selection Guide

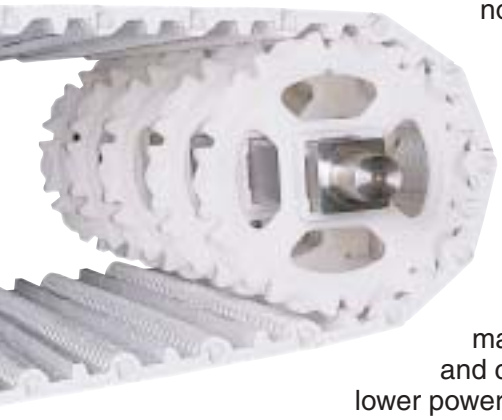
Modular Plastic Conveyor Belts

THE INTRALOX BELT CONCEPT

Intralox belts and chains are made of plastic modules. Belts are assembled in an interlocked, bricklayed pattern with full-length hinge rods – an inherently strong design. Intralox invented this technology in 1973 and has more experience in the design and application of modular plastic conveyor belts than any other company in the market.

■ Belts are made to order in virtually any width or length, with a number of styles also offered in industry-standard chain widths.

■ When flights or sideguards are specified, they are an integral part of the belt, secured with the plastic hinge rods. They are never glued on or vulcanized and will not "peel off" like other belt technologies.



■ Intralox's positive sprocket drive and tracking system maintain proper belt alignment, reduce maintenance time and costs, and can lower power consumption.

■ More than 400 combinations of belt styles, materials, and colors are available to suit your specific applications.

■ Intralox molds all belts and accessories in-house and maintains an extensive inventory (nearly 50 million parts on-hand) in order to meet both your normal and emergency delivery needs.

BELT SELECTION

Intralox Account Managers, Customer Service Representatives and Sales Engineers are modular plastic conveyor belt experts. They are your best sources of information as to which products will work best in your specific applications. However, here are some basic issues to consider.

1. Straight Running or Sideflexing belts or chains. All Intralox belts can be used in straight running applications. The INTRAFLEX 2000™ Raised Rib, Series 2200 Flush Grid, Series 2400 Flush Grid, Series 2400 Raised Rib, and Series 2600 SPIRALOX™ belts are designed for radius applications. Radius chains include the Series 3000 Knuckle Chain and Series 4000 radius chains.

2. Material. Standard and specialty belt and accessory materials are described on page 6 of this brochure. Temperature ranges, strength, and other factors help determine the right material needed.

3. Surface Style. Intralox offers various styles within the different series of belts. Charts on pages 4 – 5 indicate surface style and open area availability.

4. Color. Intralox offers various color/material combinations, a key to which is found on page 20. The availability of materials and colors by belt series and style is noted in the series-specific data on pages 18–20.

5. Drive Methods. Intralox belts are either hinge-driven or center-driven (see chart on pages 18–20). With center-driven belts, the sprockets engage a pocket near the center of the module. With hinge-driven belts, the sprockets engage the belt at the back side of the module (or hinge).

6. Pitch. Intralox belts are available in 0.5" (12.7 mm), 0.6" (15.2 mm), 1" nominal (25.4 mm and 27.2 mm), 1.25" (31.8 mm), 1.5" (38.1mm), 2" (50.8mm) and 2.5" (63.5 mm) pitches. Smaller pitch belts, when used over similar size sprockets, reduce the amount of space required for product transfer.

7. Strength. One of Intralox's representatives can help ensure that the belt you choose will offer sufficient strength for your application by using the Intralox Engineering Program, which evaluates the suitability of a belt in light of numerous variables, including length, load, velocity, etc.

8. Accessories. Various accessories are available for different belt series to meet the needs of your applications. The chart on pages 21–22 details the availability of flights, sideguards, wearstrips, and finger transfer plates.

9. Sprockets. For each specific belt series, various sprockets with different combinations of pitch diameter, number of teeth, materials, and/or design may be available.

10. Agency Acceptance. The chart on pages 18–20 indicates government agency acceptance by belt series, style and material.

THE BEST SERVICE

■ **Customer Service** — call **1-800-535-8848** for application information and order assistance. Available 24 hours a day, 365 days a year for emergencies.

■ **Account Managers** — modular plastic conveyor belt experts are available to consult and provide assistance in the selection of the right belt for your applications. Belt performance is guaranteed when you buy a belt recommended by an Intralox Account Manager.

■ **Sales Engineers** — provide technical assistance with belt selection, installations, retrofits, scheduled maintenance, and in emergencies.

■ **Design Engineers** — Intralox has design engineers dedicated to new product development. They study the issues impacting your applications and design the right products to improve your plant efficiencies.

■ **Manufacturing, Quality Assurance, and Assembly** — Intralox maintains the highest standards of quality, making sure that your belts meet or exceed specifications every time.

WRITTEN GUARANTEES

Intralox products are supported by the strongest, written belt performance and shipping guarantees in the modular plastic belt industry:

■ **Shipping Services** — Intralox ships on time, virtually every time. Only Intralox has a 99% + record of on-time shipping and regularly publishes its shipping performance statistics. Our shipping services are unparalleled in the industry and are backed by the strongest guarantees:

■ Guaranteed on-time shipment of stock items when you choose our 4-hour, same-day, or 3-day expedited shipping options. The belt ships on time, or the belt and the freight are free* (up to a maximum of $10,000 per customer, per day).

■ Guaranteed same-day shipment of stock components and accessories, or we ship them next day air and pay the freight.

■ Guaranteed shipment of routine orders on our promise date or we pay the freight charges.

Modular Plastic Conveyor Belts

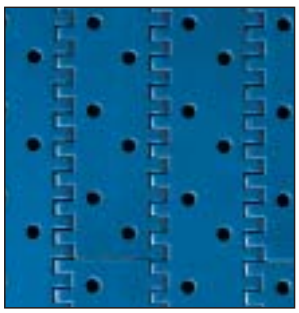
Flush Grid Surface

Raised Rib Surface

Flat Top Surface

Mesh Top

Perforated Flat Top Surface



Open Grid Surface

Friction Surface

Open Hinge Surface

Non-Skid Surface

S1400 page 27
S1200 page 25
S400 page 12

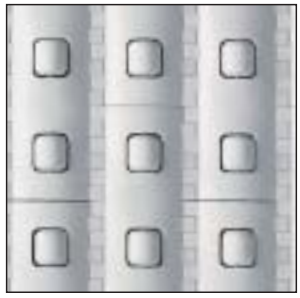
Embedded Diamond Top

S1100 page 24

Mini Rib Surface

S800 page 15

Roller Top



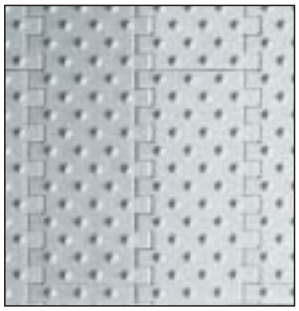
S2400 page 32
S2200 page 30
S1400 page 27
S900 page 17
S800 page 15
S400 page 12

Chain Guide

ONEPIECE™ Live Transfer

S1400 page 26
S1100 page 24
S900 page 16

Cone Top Surface



S800 page 15

Knuckle Chain

S3000 page 33

Nub Top Surface (Flat Top & Flush Grid)

S1600 page 28
S1100 page 24
S800 page 14

Mold To Width

S4014 page 34
S4009 page 34
S1400 page 26
S900 page 17

Modular Plastic Conveyor Belts

The following are general descriptions of the various materials available.

POLYPROPYLENE
- Temperature range between 34 °F (1 °C) and 220 °F (104 °C).
- Complies with FDA regulations for use in food processing and packaging applications.
- Polypropylene has good chemical resistance to many acids, bases, salts and alcohols.
- A specially formulated UV resistant black polypropylene is available in Series 1800 Mesh Top, Series 1100 Flush Grid, Series 900 Flush Grid, and Series 900 Perforated Flat Top. The UV resistant black polypropylene is not FDA approved.

POLYETHYLENE
- Temperature range between -100 °F (-73 °C) and 150 °F (66 °C).
- Complies with FDA regulations for use in food processing and packaging applications.
- Polyethylene exhibits excellent performance at much lower temperatures and has excellent product release characteristics.

ACETAL
- Temperature range between -50 °F (-46 °C) and 200 °F (93 °C).
- Complies with FDA regulations for use in food processing and packaging applications.
- Acetal has good fatigue endurance and resilience.
- Low coefficient of friction, making it a good choice for container handling and transport.
- A specially formulated UV resistant black acetal is available for applications that require UV protection. The UV resistant black acetal is not FDA approved, and is currently available in S1800 Mesh Top.

POLYPROPYLENE COMPOSITE
- Made of engineered resin for increased stiffness and minimal belt elongation through thermal expansion.
- Temperature range of 34 °F (1 °C) and 220 °F (104 °C).
- Complies with FDA regulations for use in food processing and packaging applications.
- Polypropylene Composite is available in Series 1200 belt styles.

DETECTABLE POLYPROPYLENE
- Less brittle than other plastic metal detectable belts and will not expose hazardous sharp fibers.
- Surface Resistivity per ASTM D257 of 545 Ohms per square, can be seen by metal detectors and X-ray machines.
- FDA compliant Detectable polypropylene material is available in Series 800 Flat Top and Series 1500 Flush Grid.

EC (Electrically Conductive) ACETAL
- Can be used to help dissipate static charges.
- EC Acetal is available in Series 100 Flush Grid, Series 400 Flush Grid, Flat Top and Non Skid, Series 900 Flush Grid, Raised Rib, Flat Top and Perforated Flat Top and Series 1100 Flush Grid belt styles.

HSEC (High Strength Electrically Conductive) ACETAL
- Protects sensitive electronic products from static build up.
- Dissipates static charge with HSEC Acetal. Resistivity of 106 to 109 ohms.
- HSEC Acetal is available in Series 400 Flat Top, Series 400 Non-Skid and Series 1100 Flat Top belt styles.

FLAME RETARDANT THERMOPLASTIC POLYESTER (FR-TPES)
- This material is V-0 rated (UL94 @ 1/32”), and will not sustain a flame.
- FR-TPES’ temperature range is between 40 °F (7 °C) and 180 °F (82 °C).
- FR-TPES is available in S1100 Flush Grid, S900 Flush Grid, S900 ONEPIECE™ Live Transfer Flush Grid and S900 Perforated Flat Top.

IMPACT RESISTANT NYLON (IR)
- IR Nylon’s temperature range is between -50 °F (-46 °C) and 180 °F (82 °C).
- Complies with FDA regulations for use in food processing & packaging applications.

HEAT RESISTANT NYLON (HR)
- FDA HR Nylon has an upper, continuous temperature limit of 240 °F (116 °C). For intermittent exposure, FDA HR Nylon has a rating limit of 270 °F (132 °C).
- Non FDA HR Nylon has an upper, continuous temperature limit of 310 °F (154 °C) . For intermittent exposure, non FDA HR Nylon is rated at 360 °F (182 °C).

The Intralox Family of Straight Conveyor EZ Roller Retrofit™ Products

FOR STRAIGHT CONVEYOR CARRYWAYS (including inclines & declines):

SNAP-ON VERSION - The Intralox **EZ Roller Retrofit Snap-On Component** includes a 5 foot length of wearstrip pre-attached to a patented clamp. It quickly and easily snaps onto existing 1.9" (48 mm) rollers, forming a secure carryway for a new Intralox belt. Consult Intralox to determine how many rows of wearstrip are recommended for your application.

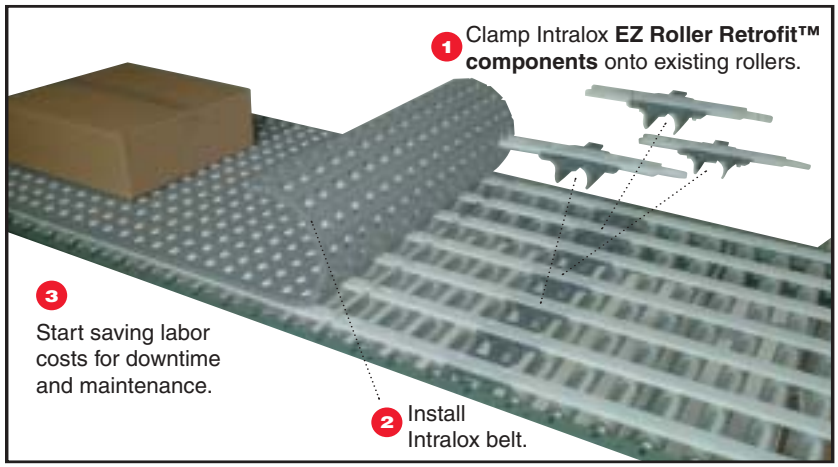
BOLT-ON VERSION - When roller removal is desired, the **EZ Roller Retrofit Bolt-On Component** is recommended. Sturdy 5 foot sections are pre-assembled to save labor, and bolt into existing roller 7/16" (11 mm) hex holes (only eight bolts per section required). A chevron wearstrip pattern increases belt life.

FOR STRAIGHT CONVEYOR RETURNWAYS:

Intralox **EZ Roller Retrofit Hanger Brackets** create a returnway by providing a means to mount 1.9" (48 mm) rollers (salvaged during the retrofit) to the underside of the existing conveyor frame. **Rubber Returnway Rings**, held to the rollers by friction, help provide quiet operation and increase the outside diameter to the optimum size for use as a return roller.

FOR CREATING NEW DRIVE AND IDLE ENDS:

Powered roller conveyor retrofits may require relocation of the drive unit. Intralox simplifies this work with the EZ Roller Retrofit Drop-In Drive and Idler Components. These pre-assembled units are custom-made for your conveyors. Each includes a shaft, bearings, sprockets, and snub roller in a stainless steel frame which simply drops in and bolts down. Each drive/idle pair can save up to 10 hours of retrofit labor, enabling you to retrofit more conveyor in a given down time window.



The Intralox Family of Curved Conveyor EZ Roller Retrofit™ Products

The **EZ Roller Retrofit Curved Component set** consists of a pair of stainless steel bases with pre-attached wearstrips. They bolt to the top and bottom of the existing frame to create a carryway and returnway for the new Intralox belt. Each set is custom manufactured to your conveyor's requirements.

EZ ROLLER RETROFIT BELT SELECTION CHART

APPLICATION	LIGHT-DUTY	MEDIUM-DUTY	HEAVY-DUTY AND/OR LONG CONVEYORS
General Transport and Low Back Pressure Accumulation[1]	Series 900 Flat Top Series 1600 Flat Top[2]	Series 400 Flat Top Series 800 Flat Top[2] Series 1400 Flat Top	Series 400 Flat Top Series 800 Flat Top[2] Series 1400 Flat Top
Very Low Back Pressure Accumulation	Series 900 with Rollers Series 2400 Roller Top	Series 400 Roller Top Series 800 Roller Top[2] Series 1400 Roller Top Series 2200 Radius with Rollers Series 2400 Radius with Rollers	Series 400 Roller Top Series 1400 Roller Top
Curved Conveyors	Series 2400 Flush Grid Radius Series 2400 Raised Rib	Series 2400 Flush Grid Radius Series 2400 Raised Rib Series 2200 Radius	Series 2600 Radius
Incline and Decline Conveyors	Series 900 Flat Friction Top and Series 900 Square Friction Top[3]	Series 900 Flat Friction Top and Series 900 Square Friction Top[3] Series 1400 Flat Friction Top and Series 1400 Square Friction Top[3]	Series 1400 Flat Friction Top Series 1400 Square Friction Top[3]
Wide packages	Series 2400 Raised Rib[4]	Series 2400 Raised Rib[4]	Series 2400 Raised Rib[4]
90° Transfers[5]	Series 400 Transverse Roller Top Series 900 Flat Top Series 1600 Flat Top	Series 400 Flat Top Series 400 Transverse Roller Top Series 800 Flat Top[2] Series 1400 Flat Top	Series 400 Flat Top Series 800 Flat Top[2] Series 1400 Flat Top

[1] Flat top belting has been used successfully in many accumulation applications, depending on conveyor length and container strength. Please consult Intralox Sales Engineering for specific recommendations.
[2] Series 800 and Series 1600 belts are designed for easy cleaning and are used extensively in food processing plants.
[3] Square friction top pattern provides additional grip where carton dust is present.
[4] A special high deck (carrying surface), enables this belt to carry packages wider than the side frames of the conveyor being retrofit. Useful for refrigerator packs (e.g., Fridge Pack® and Fridge Mate®) so that they can be transported the "hard way" (i.e., long edge forward) to increase throughput.
[5] Application may require a turning wheel or an alternating product release device ("traffic cop"). Consult Intralox Sales Engineering for specific recommendations.

Modular Plastic Conveyor Belts

Series 100

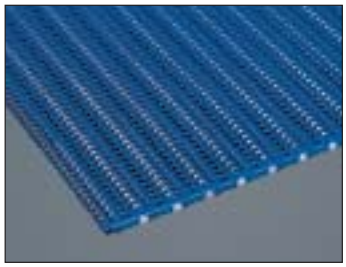
Upgrade to Series 900 Recommended

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

Drive System
Center-driven

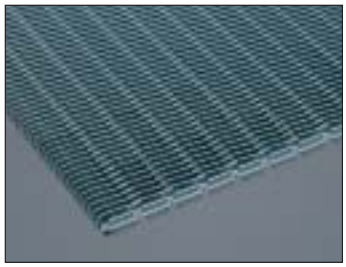
Flush Grid

Open mesh, 1" (25 mm) nom. pitch belt with 31% open area. **USDA** accepted for direct contact with raw meat and poultry. Snap-in rods and fully flush edges.



Raised Rib

USDA accepted for direct contact with raw meat or poultry. Closely spaced longitudinal ribs. 31% open area. Finger transfer plates allow easy product transfer.



Finger Transfer Plates

These comb-like plates are designed to eliminate tipping problems at product transfer. The fingers extend between the belt's ribs, allowing a smooth continuation of the product flow as the belt engages its sprockets.

MATERIALS*	PP	PE	A	ECA			PP	PE	A			
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○	●	○			○ ● ●	○	●			
STRENGTH lb/ft (kg/m)	300 (450)	200 (300)	600 (890)	400 (595)			300 (450)	200 (300)	600 (890)			
OPEN AREA	31%						31%					
AGENCY ACCEPTANCE**	USDA-FSIS, FDA, C, MC						USDA-FSIS, FDA, C, MC					

Split Sprockets

Split sprockets are available in 11 tooth 3.5" (89 mm), and 19T, 6.1" (155 mm, shown), and are constructed of 304 stainless steel tooth-bearing plate sandwiched between bore-specific, polypropylene hubs.

Flights

Streamline/No-Cling Flights are 1.5" (38 mm) high. These flights can be cut down to any height. Each flight rises out of the center of its supporting module, fastened by the hinge rod.

Molded Sprockets

Square bore sprockets are available in the following nom. pitch diameters: 6 tooth, 2" (51 mm); 11T, 3.5" (89 mm); and 19T, 6.1" (155 mm) molded (shown).

Sideguards

Sideguards are used with Flush Grid belts to assure product containment. The 2" (51 mm) high sideguards are of the standard overlapping design, and are an integral part of the belt, fastened by the hinge rods.

* **MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

** **AGENCY: USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture-Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** - MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

Modular Plastic Conveyor Belts

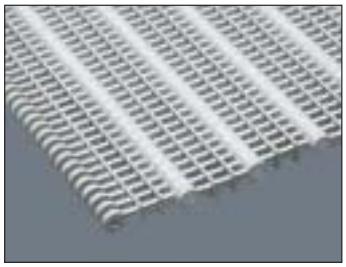
Series 200

Upgrade to Series 400 Recommended

Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

Drive System
Hinge-driven

Open Grid
Top surface has low transverse ribs to hold product for moderate inclines/declines. 33% open area.



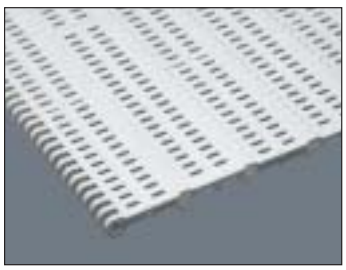
Flush Grid
Smooth top surface for easy lateral movement of product with 33% open area.

Open Hinge
USDA accepted for meat, poultry and dairy. The exposed hinge rod allows easy inspection. Smooth top surface with 45% open area.

MATERIALS*	PP	PE					PP	PE					PP	PE				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○	○					○ ●	○					○	○				
STRENGTH lb/ft (kg/m)	1400 (2080)	900 (1340)					1800 (2680)	1200 (1790)					300 (450)	200 (300)				
OPEN AREA	33%						33%						45%					
AGENCY ACCEPTANCE**	FDA, MC						FDA, MC						USDA-FSIS, USDA DAIRY, FDA, C					

Flat Top
A versatile belt, frequently used with sideguards and flights for product containment. Completely closed top surface (0% open area) with even belt edges.

Perforated Flat Top
Identical to the Flat Top, with the addition of an oval hole pattern providing 12% open area for drainage in wet applications.



MATERIALS*	PP	PE					PP						
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○	○					○						
STRENGTH lb/ft (kg/m)	1400 (2080)	900 (1340)					1400 (2080)						
OPEN AREA	0%						12%						
AGENCY ACCEPTANCE***	FDA, MC						FDA, MC						

*** MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

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Modular Plastic Conveyor Belts

Sprockets
Available in 6 tooth, 4" (102 mm); 10 tooth, 6.4" (163 mm, shown); 10T, 6.4" (double wide rim); and 16T, 10.1" (257 mm) nom. pitch diameters. 10T and 16T sprockets are also available in Abrasion Resistant.

Flights
Streamline Flights are available in 1" (25 mm), 2" (51 mm) and 3" (76 mm) heights. A 3" (76 mm) Double No-Cling Flight (vertically ribbed for product release) is also available. 1.25" (32 mm) and 3" (76 mm) Ribbed Flights are also available.

Sideguards
Sideguards are used to assure product containment and are available in 2" (51 mm), 3" (76 mm) and 4" (102 mm) heights. They are of the standard overlapping design and are an integral part of the belt, fastened by the hinge rods.

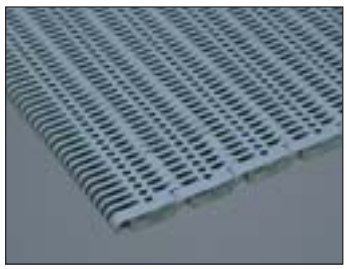
Modular Plastic Conveyor Belts

Series 400

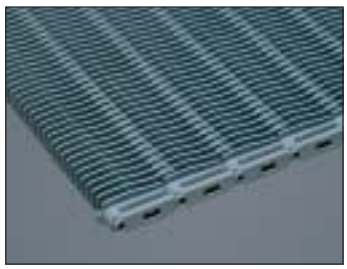
Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

Drive System
Center-driven

Flush Grid
Exceptionally strong belt with a smooth surface. 17% open area. Both SLIDELOX™ and snap-in rod retention available.



Raised Rib
Exceptionally strong belt with a ribbed surface. Design has 26% open area. SLIDELOX™ rod retention feature with fully flush edges.



Open Hinge
Exposed hinge rod allows USDA acceptance for meat and poultry. Large open area of 30%. Rods are headed on both ends.

MATERIALS*	PP	PE					PP						PP	PE				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ● ●	○					●						○ ○	○				
STRENGTH lb/ft (kg/m)	2400 (3570)	1800 (2680)					2400 (3570)						1550 (2300)	950 (1400)				
OPEN AREA	17%						26%						30%					
AGENCY ACCEPTANCE**	FDA, MC						FDA						USDA-FSIS, FDA, C					

* **MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

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Modular Plastic Conveyor Belts

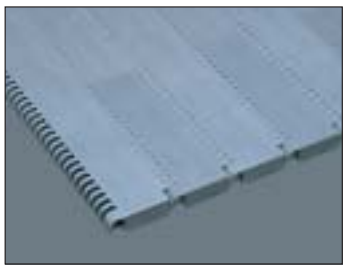
Series 400

Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

Drive System
Center-driven

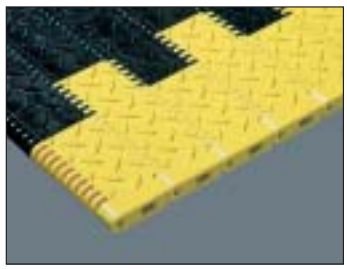
Flat Top

Strong, versatile belt with completely closed top surface. Snap-in rods and fully flush edges.



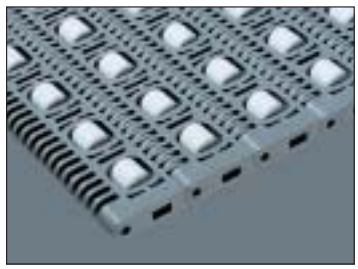
Non Skid

Heavy-duty Flat Top belt with diamond pattern non-slip surface designed for moving platform applications. Yellow acetal edge modules provide added safety by making it easy to distinguish moving belt from the stationary floor.



Roller Top

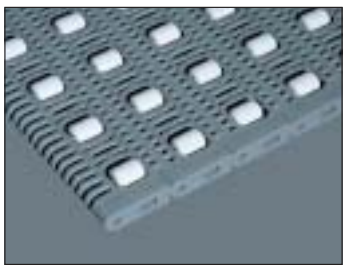
Allows for low back pressure accumulation. Roller axle pins are stainless steel for durability and long-lasting performance. Design has 18% open area. SLIDELOX™ rod retention feature with fully flush edges.



MATERIALS*	PP	PE	A				HSEC						PP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ● ●	○	●				● ● ● ●						●					
STRENGTH lb/ft (kg/m)	2400 (3570)	1800 (2680)	3200 (4760)				2720 (4040)						2200 (3270)					
OPEN AREA	0%						0%						18%					
AGENCY ACCEPTANCE**	FDA, MC												FDA					

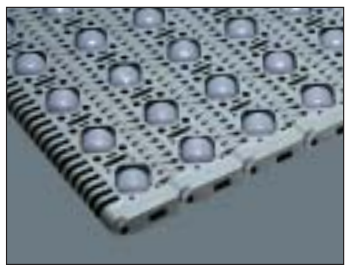
Transverse Roller Top

Designed for 90 degree transfers. Roller axle pins are stainless steel for durability and long-lasting performance. Design has 18% open area. SLIDELOX™ rod retention feature with fully flush edges.



Angled Roller Top

Eliminates jams and reduces costs in any conveying application where accurate positioning of cases, boxes, and packages is essential. Aligns and centers packages at 12° from the direction of belt travel. SLIDELOX™ rod retention system.



MATERIALS*	PP						PP											
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	●						●											
STRENGTH lb/ft (kg/m)	2200 (3270)						1600 (2381)											
OPEN AREA	18%						17%											
AGENCY ACCEPTANCE**	FDA						FDA											

Sideguards

Sideguards, used with Flush Grid, Open Hinge and Flat Top belts, assure product containment and are available in 2" (51 mm), 3" (76 mm) and 4" (102 mm) heights. They are an integral part of the belt and are fastened by the hinge rods.

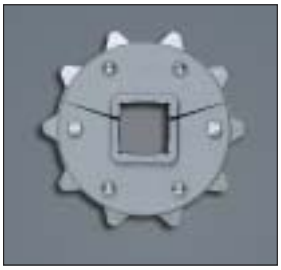
Hold Down Guide

Available on Series 400 Non Skid and Flat Top belts. The tabs keep the belt down against the conveyor frame as it moves through the entrance of inclines and exit of declines.

* **MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

** **AGENCY: USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture-Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** - MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

Modular Plastic Conveyor Belts



Molded and Split Sprockets

Molded and split sprockets are available in 6 tooth, 4" (102 mm); 8T, 5.2" (132 mm); 10T, 6.4" (163 mm), shown; 12T, 7.8" (198 mm); and 16T, 10.1" (257 mm). A 9 tooth, 5.8" (147 mm) and 13T, 8.4" (213 mm) Flush Grid Acetal belt sprocket is also available.

Flights

Flush Grid and Open Hinge Streamline/No-Cling Flights in 1" (25 mm) 2" (51 mm) and 3" (76 mm) heights, and Flat Top Streamline Flight are available in 4" (102 mm) and 6" (152 mm) height. A 6" (152 mm) flush grid double no-cling is also available.

Low Back Tension Split Sprockets

Available in Ultra Abrasion Resistant Polyurethane and High Strength Polyurethane Composite. Comes in 6.4", 7.8", and 10.1 pitch diameters. Series 400 Flush Grid, Raised Rib, Flat Top, and Non Skid compatible.

Standard Two-Material Finger Transfer Plates

Plates provide high strength fingers combined with a low friction back plate. Available in long fingers with either a short or extended back plate.

Glass Handling Finger Transfer Plates

These fingers are designed to resist breaking, but if confronted with deeply embedded glass, the individual fingers will yield and break off, preventing costly belt or frame damage. Available in either short or mid-length fingers with either a short or extended back plate.

Insert Nuts

Easily allows the attachment of fixtures to the belt. Available in a Flat Top base style in Polypropylene and Acetal. Nut placement; 2" (50 mm) minimal indent from the edge of the belt.

Series 800

Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

Drive System
Center-driven

Flat Top

Thick sections for durability. Surfaces are designed for easy cleaning. USDA accepted for direct contact with raw meat or poultry. Snap-in rods and fully flush edges.

Open Hinge Flat Top

Cam-link designed hinges allow the belt to open up more around the sprocket for easier access to hinge area for cleaning. Sculpted, radiused underside and large corner rounds prevent debris build up. Uses accessories and sprockets.

Flat Top Detectable

Developed for applications in the food processing industry where product contamination is a concern. Designed to be used upline from metal or x-ray detectors. It is specially formulated to enhance impact resistance.

MATERIALS*	PP	PE	A	IRN			PP	PE	A				DPP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ● ● ●	○ ● ● ● ●	● ○ ● ○	○			○ ●	○ ● ●	○ ●				●					
STRENGTH lb/ft (kg/m)	1000 (1490)	500 (750)	900 (1340)	1200 (1780)			900 (1340)	500 (750)	900 (1340)				650 (967)					
OPEN AREA	0%						0%						0%					
AGENCY ACCEPTANCE**	USDA-FSIS, USDA DAIRY, FDA, A, C, M, MC, Z						USDA Dairy, FDA, ****, MC						FDA, ****, MC					

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**** Prior to Intralox's development of the Series 800 Flush Grid and Open Hinge, Series 1500, Series 1600, Series 1700, Series 1800, Series 2400, and Series 2600, USDA-FSIS discontinued publishing a list of acceptable new products designed for food contact. Third party approvals are being investigated, but are not yet sanctioned by the USDA-FSIS.

Modular Plastic Conveyor Belts

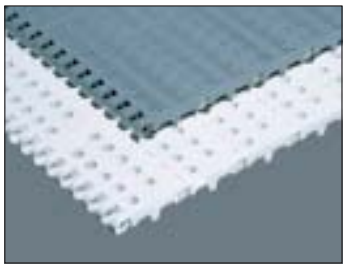
Series 800

Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

Drive System
Center-driven

Perforated Flat Top

Thick sections for durability. Surfaces are designed for easy cleaning. USDA accepted for direct contact with raw meat or poultry. 5/32" (4 mm) round hole has 20% open area; 11/32" (8.7 mm) round hole has 14% open area; slotted hole pattern has 18% open area.

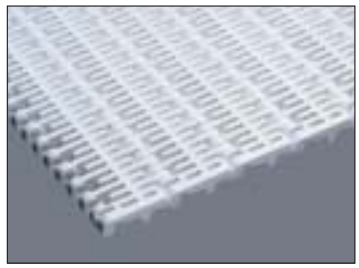


Perforated Flat Top 29S

Developed for blanching, cooking, freezing, and drying applications. Allows easier cleaning and repair plus greater durability. Stiff polypropylene composite material eliminates the steel links that hinder rod removal and insertion in similar belts.

Flush Grid

Smooth upper surface with fully flush edges. Belt has 27% open area with large slots for improved drainage and cleanability. Hole design eliminates water collecting on belt surface and being carried throughout the processing line. Flights and sideguards available.



MATERIALS*	PP	PE	A				PPC						PP	PE				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ● ●	○ ●	○ ●				●						○ ● ●	○				
STRENGTH lb/ft (kg/m)	1000 (1490)	500 (750)	900 (1340)				2000 (2875)						800 (1190)	500 (750)				
OPEN AREA	20% / 14% / 18%						29%						27%					
AGENCY ACCEPTANCE**	USDA-FSIS, USDA DAIRY, FDA, M						FDA						FDA, ***, USDA DAIRY, MC					

Nub Top

Nub pattern creates lifting effect that reduces surface contact between belt and product; eliminates the tendency of product to suction to the belt surface. Promotes quicker, easier product release.

Flush Grid Nub Top

Flush grid surface offers 27% open area. Nub pattern creates a lifting effect that reduces surface contact between belt and product; eliminates tendency of product to suction to the belt surface. Promotes quicker, easier product release.

Mesh Top

Smaller perforations eliminate excessive product loss associated with perforated belting and minimizes product from clogging the belt holes. Uses all Series 800 accessories. Belt is designed to facilitate fast, efficient clean up and easy sanitation.

MATERIALS*	PP	PE	A				PP	PE	A				PP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○ ●	○				○	○ ○	●				○					
STRENGTH lb/ft (kg/m)	1000 (1490)	500 (750)	900 (1340)				800 (1190)	500 (750)	1000 (1490)				1000 (1490)					
OPEN AREA	0%						27%						9%					
AGENCY ACCEPTANCE**	USDA-FSIS, USDA DAIRY, FDA, A, C, MC, Z						USDA DAIRY, FDA, MC						FDA, USDA DAIRY, MC					

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Modular Plastic Conveyor Belts

Series 800

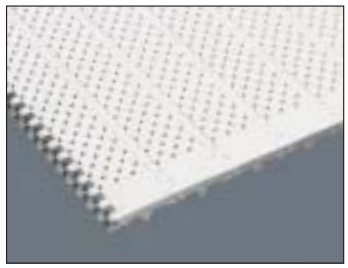
Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

Drive System
Center-driven

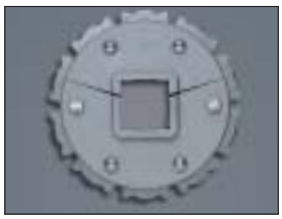
Roller Top
Improves box and package conveyance in accumulation and low back pressure applications. Acetal rollers run on stainless steel roller axle pins for durability and wear resistance.

Mini Rib
Thick sections for durability. Surfaces designed for easy cleaning. USDA accepted for direct contact with raw meat or poultry. Mini rib pattern accommodates gradual inclines and declines.

Cone Top
Surface cones hold product in place. Provides gripping capability of food-grade rubber or PVC belting, with positive drive and tracking of modular plastic conveyor belts.



MATERIALS*	PP	PE	A				PP	PE	A				PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○	○	○ ●				○	○	○				○	○				
STRENGTH lb/ft (kg/m)	1000 (1490)	500 (750)	900 (1340)				1000 (1490)	500 (750)	900 (1340)				1000 (1490)	900 (1340)				
OPEN AREA	3%						0%						0%					
AGENCY ACCEPTANCE**	FDA, MC						USDA-FSIS, USDA DAIRY, FDA, A, C, M, MC, Z						USDA-FSIS, USDA DAIRY, FDA, A, C, MC, Z					



Molded and Split Sprockets
Molded sprockets are available in standard and EZ Clean designs. Split sprockets are available in both single plate and triple plate (Abrasion Resistant) configurations, in some pitch diameters.

SPROCKETS	NOM. PITCH DIAM.	MOLDED	SPLIT
6T EZ Clean	102 mm (4.0")	•	
8T	132 mm (5.2")	shown	•
8T EZ Clean	132 mm (5.2")	•	
10T	165 mm (6.5")	•	shown
10T EZ Clean	165 mm (6.5")	shown	
12T	196 mm (7.7")	•	•
12T EZ Clean	196 mm (7.7")	•	
16T	262 mm (10.3")	•	•
16T EZ Clean	262 mm (10.3")	•	

Straight, No-Cling, and Impact Resistant Flights
Streamline are available in 25 mm (1"), 51 mm (2"), 76 mm (3"), 102 mm (4"), 152 mm (6") heights. No-Cling are available in 102 mm (4") Flat Top, 102 mm (4") Nub Top, and 51 mm (2") & 102 mm (4") Flush Grid. Impact Resistant are available in heights from 13 mm (0.5") to 102 mm (4"), with 25 mm (1"), 51 mm (2"), 76 mm (3"), and 102 mm (4") as standard sizes.

Flush Grid Round Top Flights
Flights have a 0.625" (16 mm) diameter on the tip of the flighted rows to reduce product damage and increase belt beam stiffness. Flights are available in custom widths up to 44" (1117 mm).

Bucket/Scoop Flights
Bucket Flights are available in 57 mm (2.25"), 76 mm (3"), 102 mm (4"), and 152 mm (6") sizes. Scoop Flights are available in 76 mm (3"), 102 mm (4") and 152 mm (6") heights. Approved for FDA governed applications.

Sideguards
Sideguards are used to assure product containment and are available in 51 mm (2"), 76 mm (3") and 102 mm (4") heights. Made in the standard overlapping design, they are an integral part of the belt and are fastened by the hinge rods.

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Modular Plastic Conveyor Belts

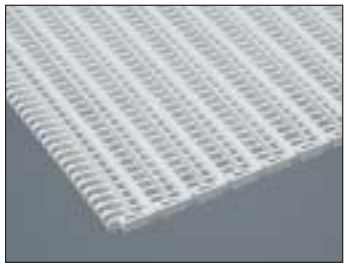
Series 900

Nominal Pitch, In. (Mm)
1.07 (27.2 mm)

Drive System
Center-driven

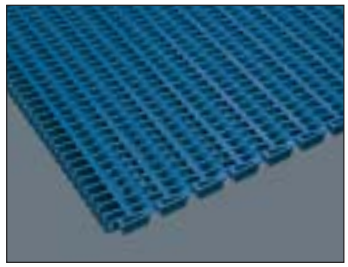
Open Grid

Low profile transverse ridges are 0.188" (4.78 mm) high for moving products up inclines. 38% open area. USDA accepted for raw meat or poultry. Recessed snap-in rods and fully flush edges.



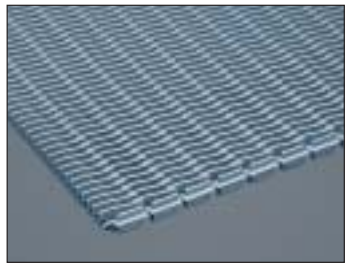
Flush Grid

Strong 1" (27 mm) nom. pitch belt. Features fully flush edges and snap-in rods. 38% open area. USDA accepted for raw meat or poultry. Also available in ONEPIECE™ Live Transfer style.



Raised Rib

Strong 1" (27 mm) nom. pitch belt. Features fully flush edges and snap-in rods. 38% open area. USDA accepted for raw meat or poultry.



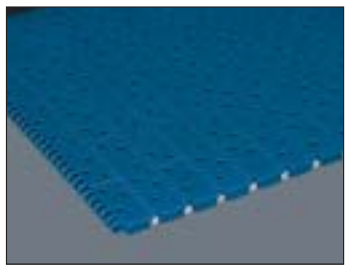
MATERIALS*	PP	PE					PP	PE	A	ECA	FR-TPES	HRN	PP	A	ECA				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○	○					○ ○ ● ● ● ●	○ ●	● ●	○	●	● ●	○ ○ ● ●	● ●	○				
STRENGTH lb/ft (kg/m)	700 (1040)	350 (520)					700 (1040)	350 (520)	1480 (2200)	800 (1190)	750 (1120)	1200 (1790)	700 (1040)	1480 (2200)	800 (1190)				
OPEN AREA	38%						38%						38%						
AGENCY ACCEPTANCE**	USDA-FSIS, FDA, C, MC						USDA-FSIS, FDA, C, M, MC						USDA-FSIS, FDA, C, MC						

Flat Top

Thick surface for long service life. Top is beveled at edge for side transfers. Small, 1" (27 mm) nom. pitch facilitates smooth operation with minimal chordal action, dead plate gap and speed pulsation. Also available in ONEPIECE™ Live Transfer style.

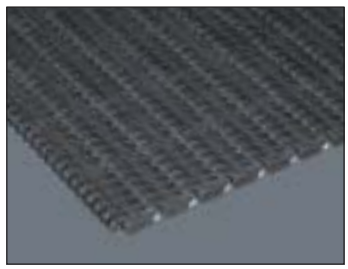
Perforated Flat Top

Thick surface for long service life. Available in 1/8" (3.2 mm), 5/32" (4 mm) and 3/16" (4.8 mm) hole sizes. Designed for vacuum transfer applications with scalloped underside to reduce carryway blockage.



Mesh Top

Open hinge design for improved sanitation. 24% open area allows fast, efficient drainage, eliminating tendency of water to rest on the belt's surface. Small holes prevent stems from getting caught. 1" (27 mm) nom. pitch allows for tight transfers.



MATERIALS*	PP	PE	A	ECA	HRN		PP	A	FR-TPES				PP	A					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ● ●	○	● ●	○	●		●	● ●	●				● ○	●					
STRENGTH lb/ft (kg/m)	700 (1040)	350 (520)	1480 (2200)	800 (1190)	1200 (1790)		700 (1040)	1480 (2200)	750 (1120)				700 (1040)	1480 (2200)					
OPEN AREA	0%						5.1%, 6.4%, 7.9%						24%						
AGENCY ACCEPTANCE**	FDA, M, MC						FDA, MC						FDA, MC						

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Modular Plastic Conveyor Belts

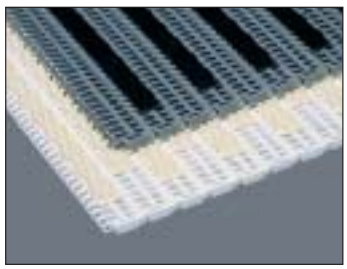
Series 900

Nominal Pitch, In. (Mm)
1.07 (27.2 mm)

Drive System
Center-driven

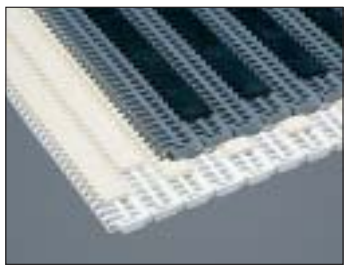
Diamond Friction Top (DFT) and DFT Ultra

Two-material modules provide a high friction surface without interfering with carryways and sprockets for incline and decline applications. White materials comply with FDA regulations.



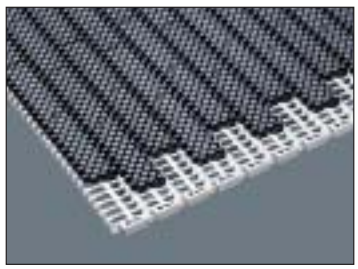
Flat Friction Top (FFT) and FFT Ultra

The same design principles and advantages as the Series 900 Diamond Friction Top, with a flat surface of high friction rubber. White materials comply with FDA regulations.



Square Friction Top (SFT)

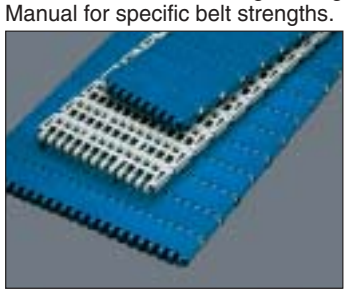
Two-material modules provide a high friction surface without interfering with carryways and sprockets for incline and decline applications. Comes in SFT and SFT Ultra (higher rubber concentration). Available with flat top or flush grid edge modules.



MATERIALS*	PP	PE					PP						PP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○ ●					○ ●						●					
STRENGTH lb/ft (kg/m)	1000 (1490)	350 (520)					1000 (1490)						1000 (1490)					
OPEN AREA	—						—						—					
AGENCY ACCEPTANCE**	FDA***						FDA***											

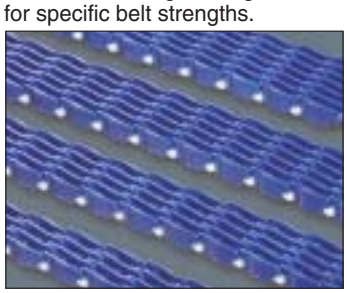
Flush Grid and Flat Top Mold To Width Chain

Available in industry standard widths – 3.25" (83 mm), 4.5" (114 mm) and 7.5" (191 mm). Also available in 85 mm widths for international markets. Call Intralox or refer to the Intralox Engineering Manual for specific belt strengths.



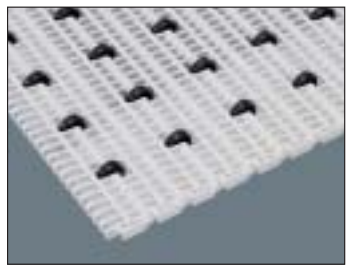
Raised Rib Mold To Width Chain

Available in 1.1" (29 mm), 1.5" (37 mm) 1.8" (46.5 mm) and 2.2" (55 mm). All chains come with nylon rodlets standard, providing longer service life. Call Intralox or refer to the Intralox Engineering Manual for specific belt strengths.



Flush Grid with Insert Rollers

Excellent for light to medium-duty low back pressure accumulation or general delicate package conveyance where straight-running roller top belts are required.



MATERIALS*	PP	A					PP	A					PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	●	● ●					●	●					● ○ ● ○ ●	● ● ○				
STRENGTH lb/ft (kg/m)	—	—					—	—					490 (1030)	730 (1530)				
OPEN AREA	38% - Flush Grid; 0% - Flat Top						38% - 40%						38%					
AGENCY ACCEPTANCE**	FDA						FDA						FDA					

*** MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

**** AGENCY: USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture-Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** - MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

*** NOTE: Not FDA approved for fatty and oily food contact.

Modular Plastic Conveyor Belts

This chart provides you with general belt and chain specifications, material availability and regulatory agency acceptance. The Intralox Engineering Manual contains more details on all of these belts and accessories.

	S100		Series 200					Series 400								Series 800									
	Flush Grid	Raised Rib	Open Grid	Flush Grid	Open Hinge	Flat Top	Perforated Flat Top	Flush Grid	Raised Rib	Open Hinge	Flat Top	Non-Skid	Transverse Roller Top	RollerTop	Angled RollerTop	Flat Top	Flat Top Detectable	Perforated Flat Top (slotted hole)	Perforated Flat Top 5/32" (round hole)	Perforated Flat Top 11/32" (round hole)	Perforated Flat Top 29S	Mini Rib	Cone Top	Nub Top	Flush Grid Nub Top
Specifications / Drive																									
Nominal Pitch, in. (mm)	1 (25)	1 (25)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)	2 (51)
% Open Area	31	31	33	33	45	0	12	17	26	30	0	0	18	18	17	0	0	18	20	14	29	0	0	0	27
Center-Driven	●	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hinge-Driven				●	●	●	●																		
Acceptability																									
USDA Meat & Poultry Accepted Design	●	●			●					●						●	●**	●	●	●		●	●	●	
USDA Dairy Accepted Design					●											●		●	●	●		●	●	●	●
International Approvals (See key below)	C, MC	C, MC	MC	MC	C	MC	MC	MC		C	MC					A,C M, Z MC	MC	M	M	M		A,C Z MC	A,C M, Z MC	A,C Z MC	MC
Std. Materials / Special Materials																									
Polypropylene (FDA, USDA, USDA Dairy - White)	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	●	●		●	●	●	●
Polyethylene (FDA, USDA, USDA Dairy - Natural)	●	●	●	●	●	●		●		●	●					●		●	●	●		●	●	●	●
Acetal (FDA, USDA, USDA Dairy - White)	●	●									●					●		●				●	●	●	●
EC Acetal	●																								
High Strength Electrically Conductive (HSEC)												●													
Flame Retardant Material																									
Impact Resistant Nylon (FDA, USDA)																●									
Heat Resistant Nylon (FDA)																									
Heat Resistant Nylon (Non FDA)																									
Abrasion Resistant Nylon																									
Detectable Polypropylene																	●								
Polypropylene Composite																					●				

* Series 900 DFT & FFT: The black, high friction material does not comply with FDA regulations for use in food processing

** Prior to Intralox's development of the Series 800 Flush Grid and Open Hinge, Series 1500, Series 1600, Series 1700,

Key to International Agencies: **USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture -

				Series 900															Series 1100							Series 1200				Series 1400							
Roller Top	Open Hinge Flat Top	Flush Grid	Mesh Top	Open Grid	Flush Grid	Raised Rib	Flat Top	Perforated Flat Top	ONEPIECE™ Live Transfer Flush Grid	ONEPIECE™ Live Transfer Flat Top	Diamond Friction Top	Flat Friction Top	Square Friction Top	Mold To Width Flat Top Chain	Mold To Width Flush Grid Chain	Mold To Width Raised Rib Chain	Mesh Top	Flush Grid with Insert Rollers	Flush Grid	Flat Top	Perforated Flat Top	Flush Grid Friction Top	ONEPIECE™ Live Transfer Flush Grid	Flush Grid Nub Top	Embedded Diamond Top	Flush Grid	Flat Top	Raised Rib	Non Skid	Flat Top	Mold To Width Flat Top	Flush Grid	ONEPIECE™ Live Transfer Flat Top	Flat Friction Top	Square Friction Top	Non Skid	Roller Top
2 (51)	2 (51)	2 (51)	2 (51)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	1.07 (27)	0.6 (15)	0.6 (15)	0.6 (15)	0.6 (15)	0.6 (15)	0.6 (15)	0.6 (15)	1.44 (36)	1.44 (36)	1.44 (36)	1.44 (36)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)
3	0	27	9	38	38	38	0	6.4	38	0	–	–	–	0	38	38	24	38	28	0	3.2	28	28	15	0	24	0	24	0	0	0	21	0	0	0	0	0
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●
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	●**	●**		●	●	●													●	●	●																
	●	●	●																●	●																	
MC	MC	MC	MC	C, MC	C M MC	C, MC	M MC	MC	MC	MC							MC		A,C M MC	A,C M MC	MC			MC						MC							
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●						●	●	●		●	●		
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and packaging applications. The base material of the white belt is not USDA accepted.

Series 1800, Series 2400, and Series 2600, USDA-FSIS discontinued publishing a list of acceptable new products designed for food contact. Third party approvals are being investigated, but

Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** -

Color and Material Combinations

S1500		S1600		S1700		S1800		S2000		Series 2200			Series 2400						S2600		S3000		S4000		
Flush Grid	Flush Grid Detectable	Open Hinge Flat Top	Nub Top	Flush Grid Abrasion Resistant		Flat Top	Mesh Top	INTRAFLEX 2000™ Raised Rib		Radius Flush Grid (2.2)	Radius Friction Top (2.2)	Radius Flush Grid (2.6) with Insert Rollers	Radius Flush Grid (2.2)	Tight Turning Radius (1.7)	Radius Friction Top (2.2)	Raised Rib (2.2)	Tight Turning Radius FG w/ Roller Inserts (2.4)	Radius Flush Grid with Roller Inserts (2.9)	Spiralox™ 1.6 Radius	Spiralox™ 2.2 Radius	Knuckle Chain		Series 4009 Flat Top Chain	Series 4009 Flush Grid Chain	S4014 Flat Top Chain
0.5 (13)	0.5 (13)	1 (25)	1 (25)	1.5 (38)		2.5 (63)	2.5 (63)	1.25 (32)		1.5 (38)	1.5 (38)	1.5 (38)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	2 (51)	2 (51)	2 (51)		1 (25)	1 (25)	1 (25)
48	48	0	0	37		0	32	18		50	50	50	42	42	42	42	42	42	57	57	0		0	13	0
		●	●	●		●	●	●													●				
●	●			●						●	●	●	●	●	●	●	●	●	●	●			●	●	●
●**	●**	●**	●**	●**		●**				●			●**	●**		●**			●**	●**					
		●	●			●		●		●			●	●		●					●				
MC						MC		C, MC		A,C M			MC	A, MC	MC										
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		●	●			●				●	●														
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				●																					
	●																								

Key to Color & Material Combinations

- white polypropylene/ acetal/nylon
- polypropylene resin
- grey polypropylene/ acetal
- grey anti-static
- natural polypropylene/ polyethylene/ acetal/ nylon
- blue polypropylene/ polyethylene/acetal
- black polypropylene/ polyethylene
- black/yellow acetal
- yellow acetal
- black acetal electrically conductive
- black acetal high strength electrically conductive
- black abrasion resistant nylon
- black polypropylene ultra-violet
- red polypropylene/ polyethylene
- tan polypropylene/ polyethylene
- tan polypropylene flame retardant
- dark brown nylon
- golden brown nylon
- green flame retardant (FR TPES)
- green acetal

NOTE: Not all colors and material combinations are stock items. Call Intralox Customer Service for lead times.

are not yet sanctioned by the USDA-FSIS.

MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

Belt Accessories

	SERIES 100	SERIES 200	SERIES 400	SERIES 800	SERIES 900	SERIES 1100	SERIES 1200	SERIES 1400
FLIGHTS 	Streamline/	Streamline	Streamline/	Streamline	Streamline/	Streamline	—	—
	No-Cling	1 in. (25 mm)	No-Cling	1 in. (25 mm)*	No-Cling	Flat Top Base	—	—
	1.5 in. (38 mm)	2 in. (51 mm)	Flush Grid Base	2 in. (51 mm)*	Flush Grid Base	2 in. (51 mm)	—	—
	—	3 in. (76 mm)	1 in. (25 mm)	3 in. (76 mm)*	1 in. (25 mm)	Flush Grid /	—	—
	—	Double No-Cling	2 in. (51 mm)	4 in. (102 mm)*	2 in. (51 mm)	Nub Top	—	—
	—	3 in. (76 mm)	3 in. (76 mm)	6 in. (152 mm)*	Streamline	2 in. (51 mm)*	—	—
	—	Ribbed	Double	No-Cling	Flat Top Base	—	—	—
	—	1.25 in. (32 mm)	No-Cling	4 in. (102 mm)*	1 in. (25 mm)	—	—	—
	—	3 in. (76 mm)	Flush Grid Base	Nub Top	2 in. (51 mm)	—	—	—
	—	Bucket	6 in. (152 mm)	4 in. (102 mm)	3 in. (76 mm)	—	—	—
	—	2.25 in. (57 mm)	Open Hinge Base	Impact Resistant	Streamline Rubber	—	—	—
	—	—	1 in. (25 mm)	1 in. (25 mm)***	Flat Top Base	—	—	—
	—	—	2 in. (51 mm)	2 in. (51 mm)***	1 in. (25 mm)	—	—	—
	—	—	3 in. (76 mm)	4in. (102 mm)***	2 in. (51 mm)	—	—	—
	—	—	Streamline	Scoop	3 in. (76 mm)	—	—	—
	—	—	Flat Top Base	3 in. (76 mm)*	—	—	—	—
	—	—	4 in. (102 mm)	4 in. (102 mm)*	—	—	—	—
	—	—	6 in. (152 mm)	6 in. (152 mm)*	—	—	—	—
	—	—	—	Bucket	—	—	—	—
	—	—	—	2.25 in. (57 mm)	—	—	—	—
	—	—	—	3 in. (76 mm)	—	—	—	—
	—	—	—	4 in. (102 mm)	—	—	—	—
	—	—	—	6 in. (152 mm)	—	—	—	—
FINGER TRANSFER PLATES 	Standard	N/A	Standard**	N/A	Standard	N/A	Standard**	N/A
	4 in. (102 mm)	—	6 in. (152 mm)	—	4 in. (102 mm)	—	6 in. (152 mm)	—
	—	—	Glass Handling	—	6 in. (152 mm)	—	Glass Handling	—
	—	—	6 in. (152 mm)	—	—	—	6 in. (152 mm)	—
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
SIDEGUARDS 	2 in. (51 mm)	2 in. (51 mm)	2 in. (51 mm)	2 in. (51 mm)*	2 in. (51 mm)	2 in. (51 mm)	N/A	N/A
	—	3 in. (76 mm)	3 in. (76 mm)	3 in. (76 mm)*	—	—	—	—
	—	4 in. (102 mm)	4 in. (102 mm)	4 in. (102 mm)*	—	—	—	—
	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—
WEARSTRIPS	✓	✓	✓	✓	✓	✓	✓	
HOLD DOWN GUIDE			✓				✓	
INSERT NUTS			✓				✓	

*Also available in Impact Resistant. **Available with short or extended back plates. ***Impact Resistant Flights are available in heights ranging f

SERIES 1500	SERIES 1600	SERIES 1700	SERIES 1800	SERIES 2000	SERIES 2200	SERIES 2400	SERIES 2600	SERIES 3000	SERIES 4000
—	No-Cling	Streamline	Impact Resistant	N/A	Streamline	Streamline/	—	—	—
—	4 in. (102 mm)*	4 in. (102 mm)	4 in. (102 mm)	—	4 in. (102 mm)	No-Cling	—	—	—
—	—	—	—	—	—	3 in. (76 mm)*	—	—	—
—	—	—	—	—	—	—	—	—	—
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N/A	N/A	N/A	N/A	Standard	N/A	N/A	N/A	N/A	N/A
—	—	—	—	6 in. (152 mm)	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
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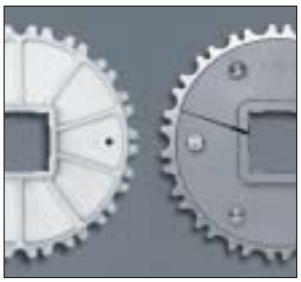
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
N/A	N/A	N/A	N/A	N/A	N/A	Universal	N/A	N/A	N/A
—	—	—	—	—	—	1 in. (25 mm)	—	—	—
—	—	—	—	—	—	3 in. (76 mm)	—	—	—
—	—	—	—	—	—	Clip-On	—	—	—
—	—	—	—	—	—	0.75 in. (19 mm)	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
	✓		✓	✓	Radius	Radius	Radius		Radius
						✓			

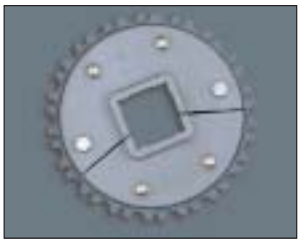
rom 0.5 in (13 mm) to 4 in (102 mm), with 1 in (25 mm), 2 in (51 mm) and 4 in (102 mm) as standard sizes.

Modular Plastic Conveyor Belts



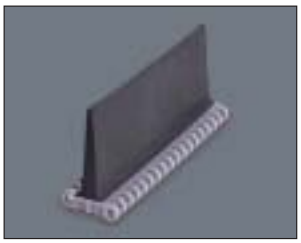
Molded & Split Sprockets

Molded sprockets come in 6, 9, 10, 12, 17, 18 or 20 teeth. Molded EZ Clean sprockets are available in 12 and 18 teeth. Split sprockets are available with 10, 12, 15, 17, 18, 20 or 28 teeth. Intralox can manufacture sprockets (both plastic and split) with different numbers of teeth if the application cannot use the standard sizes.



Molded Toothplate Split Sprocket

Provides flexibility for easier retrofits and change-outs. Available in 15 tooth 5.1" (130 mm), 17T 5.8" (147mm), 18T 6.1" (155 mm) and 20T 6.8" (173 mm) sizes. Sprocket hub is polypropylene, with glass-filled nylon toothplate.



Streamline Rubber Flights

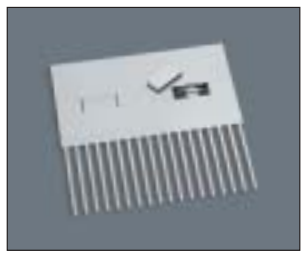
Intralox dual-construction co-molded hard rubber flights are available in 1" (25 mm), 2" (51 mm) and 3" (76 mm) heights. These flights can be cut down to any height to meet customer requirements.

Flights

Flush Grid base flights with a streamline/no-cling surface are available in 1" (25 mm) and 2" (51 mm) heights. Flat Top base streamline flights are available in 1" (25 mm), 2" (51 mm) and 3" (76 mm) heights. These flights can be cut down to any height to meet customer requirements.

Sideguards

Sideguards are used to assure product containment and are available 2" (51 mm) high. Made in the standard overlapping design, they are an integral part of the belt and are fastened by the hinge rods.



Finger Transfer Plates

These comb-like transfer plates are designed to eliminate tipping problems at product transfer. The 18 fingers extend between the belt's ribs, allowing a smooth continuation of product flow. Available in 4" (102 mm) and 6" (152 mm) for use when retrofitting from Series 100 Raised Rib.

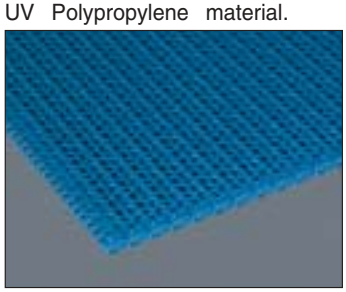
Series 1100

Nominal Pitch, In. (Mm)
0.6 (15.2 mm)

Drive System
Hinge-driven

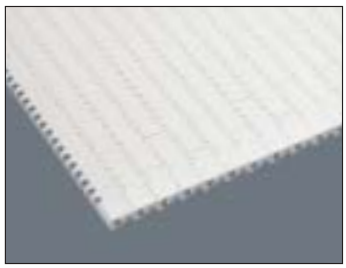
Flush Grid

USDA accepted for meat and poultry. Mini-pitch 0.6" (15.2 mm) nom. has low chordal action for a smooth running belt. Mesh top with 28% open area. Headless rod retention system allows reuse of rods. Also available in a UV Polypropylene material.



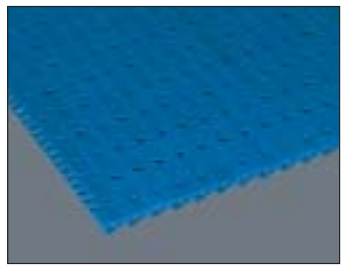
Flat Top

USDA accepted for meat and poultry. Mini-pitch 0.6" (15.2 mm) nom. has low chordal action for a smooth running belt. Headless rod retention system allows reuse of rods.



Perforated Flat Top

USDA accepted for meat and poultry. 3.2% open area. Underside design and small pitch allows the belt to run smoothly around nosebars.



MATERIALS*	PP	PE	A	ECA	FR-TPES	HRN	PP	PE	A				A						
COLORS: *Refer to the Key to Color & Material Combinations on pg. 8.*	● ○ ●	○	● ○	○	●	●	○ ●	○ ●	● ○				●						
STRENGTH lb/ft (kg/m)	700 (1040)	450 (670)	1300 (1940)	800 (1190)	750 (1120)	1100 (1640)	500 (750)	300 (450)	1000 (1490)				1000 (1490)						
OPEN AREA	28%						0%						3.2%						
AGENCY ACCEPTANCE**	USDA-FSIS, USDA DAIRY, FDA, A, C, M, MC						USDA-FSIS, USDA DAIRY, FDA, A, C, M, MC						USDA-FSIS, FDA, MC						

* **MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

** **AGENCY: USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture-Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** - MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

Modular Plastic Conveyor Belts

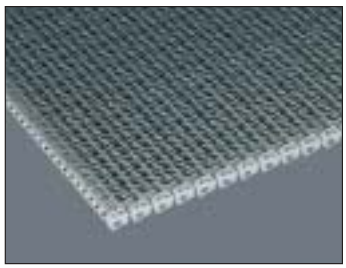
Series 1100

Nominal Pitch, In. (Mm)
0.6 (15.2 mm)

Drive System
Hinge-driven

Flush Grid Friction Top

Combines benefits of high friction top surface with modular plastic design. Mini-pitch and lightweight design offer smooth conveyance.

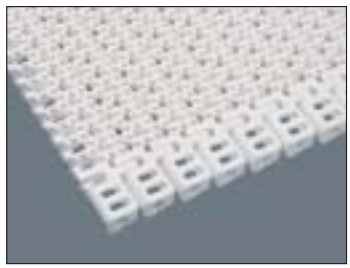


ONEPIECE™ Live Transfer Flush Grid

Nominal 0.6" (15.2 mm) mini-pitch belt with fully flush edges. Facilitates smooth, self-clearing, right angle transfers onto take-away belts. Lightweight with smooth surface grid and molded tracking tabs.

Flush Grid Nub Top

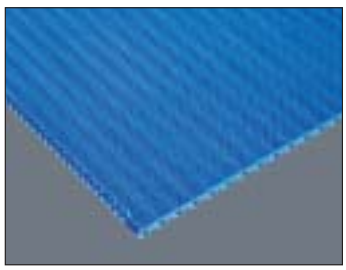
Nub Top pattern creates a lifting effect that reduces surface contact between belt and product; eliminates the tendency of product to suction to the belt surface. Promotes quicker, easier product release. 15% open area provides dewatering capabilities.



MATERIALS*	PP						A	FR-TPES	HRN				PP	PE	A			
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●						●	●	●				○	○	●			
STRENGTH lb/ft (kg/m)	700 (1040)						1300 (1940)	750 (1120)	1100 (1640)				700 (1040)	450 (670)	1300 (1940)			
OPEN AREA	28%						28%						15%					
AGENCY ACCEPTANCE**	FDA***						FDA - Acetal Only						FDA,MC					

Embedded Diamond Top

The unique, embedded diamond pattern acts to trap air between product and belt, creating a barrier against product sticking, and improves sanitation and clean-up. The small pitch reduces the risk of product damage while transferring products from one belt to another.



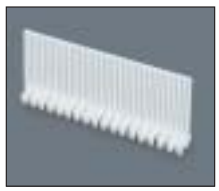
MATERIALS*	PE					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	● ○					
STRENGTH lb/ft (kg/m)	300 (450)					
OPEN AREA	0%					
AGENCY ACCEPTANCE**	USDA-FSIS, USDA DAIRY, FDA, A, C, M, MC					

Sprockets

Teeth	Nom Pitch Diam	Molded	Steel	Split	EZ Track Molded	EZ Track Split
8T	1.6" (41 mm)		•			
12T	2.3" (58 mm)	•	•			
16T	3.1" (79 mm)	•			•	
18T	3.5" (89 mm)	•		•	•	
20T	3.8" (97 mm)	•				
24T	4.6" (117 mm)	•		•	•	•
26T	5.1" (130 mm)	•		•		
32T	6.1" (155 mm)	shown		•	•	•

Flat Top Streamline Flights

These 2" high (51 mm) streamline flights can be cut down to any height. Each flight rises out of the center of its supporting module, molded as an integral part, and is secured by hinge rods.



Flush Grid Nub Top Base Flights

The Nub Top Flight is available in a 2" (51 mm) height. The No-Cling vertical ribs are on both sides of the flight. Flights can be cut down to any height requirement. Available in Polypropylene, Polyethylene, and Acetal.

Sideguards

Sideguards are used to assure product containment and are available 2" (51 mm) high. Made in the standard overlapping design, they are an integral part of the belt and are fastened by the hinge rods.

*** MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

**** AGENCY: USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture-Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** - MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

*** NOTE: Not FDA approved for fatty and oily food contact (grey).

Modular Plastic Conveyor Belts

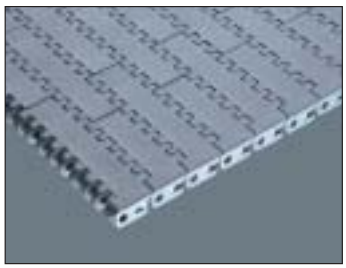
Series 1200

Nominal Pitch, In. (Mm)
1.44 (36.6 mm)

Drive System
Center-driven

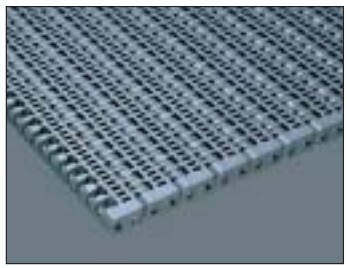
Flat Top

Thick 0.75" (19.1 mm) module provides superior belt strength and stiffness. Flat Top style belt is ideal for heavy material handling in the logistics and distribution sectors. Small 1.44" (36.6 mm) pitch allows for tight transfers. Hold Down Guide available.



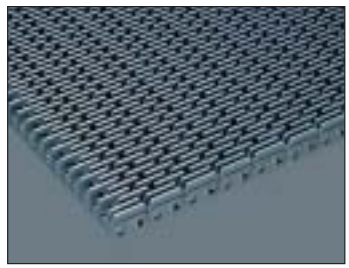
Flush Grid

Thick 0.75" (19.1 mm) module provides superior belt strength and stiffness. Small 1.44" (36.6 mm) pitch allows for tight transfers. Made of engineered polypropylene resin for increased stiffness and minimal belt elongation.



Raised Rib

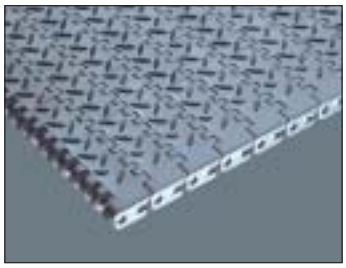
Thick 1.0" (25.4 mm) module provides superior belt strength and stiffness. Small 1.44" (36.6 mm) pitch allows for tight transfers. Made of engineered polypropylene resin for increased stiffness and minimal belt elongation.



MATERIALS*	PPC						PPC						PPC					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	●						●						●					
STRENGTH lb/ft (kg/m)	4000 (5950)						3300 (4910)						3300 (4910)					
OPEN AREA	0%						24%						24%					
AGENCY ACCEPTANCE**	FDA						FDA						FDA					

Non Skid

Small 1.44 inch (36.6 mm) pitch allows use of smaller drive sprockets than traditional "moving platform" belts, providing tighter transfers and requiring shallower floor trenches. Available with yellow edge modules to provide added safety. Hold Down Guide available.



MATERIALS*	ECPP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	●					
STRENGTH lb/ft (kg/m)	4000 (5950)					
OPEN AREA	0%					
AGENCY ACCEPTANCE**						

Sprockets

Molded, urethane composite split sprockets for easy installation available in industry standard 6.5" (165 mm), 7.9" (201 mm) and 10.2" (259 mm) sizes. Other sprockets also available.

Standard Two-Material Finger Transfer Plates

Plates provide high strength fingers combined with a low friction back plate. Available in long fingers with either a short or extended back plate.

Glass Handling Finger Transfer Plates

Fingers are designed to resist breaking, but if confronted with deeply embedded glass, the individual fingers will yield and break off, preventing costly belt or frame damage. Available in either short or mid-length fingers with either a short or extended back plate.

Insert Nuts

Allows attachment of fixtures to the belt. Available in a Flat Top base style in Polypropylene and Acetal. Nut placement; 2" (50 mm) minimal indent from the edge of belt.

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Modular Plastic Conveyor Belts

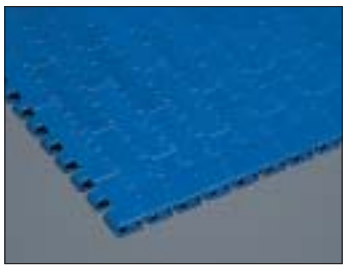
Series 1400

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

Drive System
Center/Hinge-driven

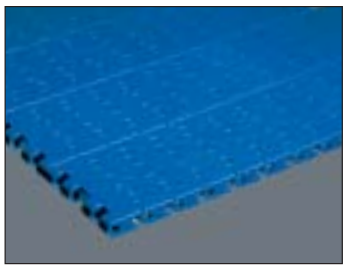
Flat Top

Robust design offers excellent belt durability, especially in tough glass applications. Smooth, flat top provides excellent lateral movement of containers and is ideal for container handling. SLIDELOX™ headless rod retention system



Mold To Width Flat Top

Available in industry standard widths: 3.25" (82.5 mm), 4.5" (114.3 mm), 6" (152 mm) and 7.5" (190.5 mm). Also available in 85 mm widths for international markets. Optional tracking tabs fit into standard, single-barreled chain wearstrip.



Flush Grid

Thick 0.5" (12.8 mm) belt thickness is ideal for long, wide applications carrying heavy loads. 1.0" (25.4 mm) pitch facilitates tight transfers. SLIDELOX™ headless rod retention system allows re-use of rods.

MATERIALS*	PP	PE	A	HRN			PP	A					PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	●	● ●	●			●	● ●					●	●				
STRENGTH lb/ft (kg/m)	1800 (2678)	1000 (1488)	2500 (3720)	2000 (2976)			— —	— —					1800 (2678)	2500 (3720)				
OPEN AREA	0%						0%						21%					
AGENCY ACCEPTANCE**	FDA, MC						FDA						FDA					

ONEPIECE™ Live Transfer Flat Top

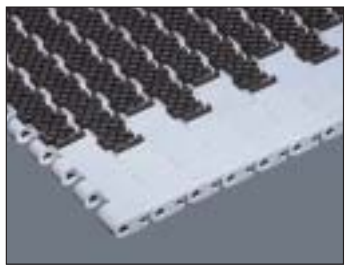
Facilitates smooth, self-clearing, right angle transfers onto takeaway belts. Available in 6" (152 mm) and 9.3" (236.2 mm) widths. Molded, tracking tabs help support belt in heavy, side-loading applications.

Flat Friction Top

Heavy-duty, with thicker rubber deck and two wear-resistant grades of rubber. Continuous 2" (50.8 mm) indent of rubber deck edge insures maximum rubber-to-product contact area. Nominal 1" (25.4 mm) pitch allows high speed inclines/declines.

Square Friction Top (SFT)

Provides improved product grip and permits steeper inclines. The surface pattern also extends belt life and prevents water and ice build-up in outdoor applications. Comes in SFT and SFT Ultra (higher rubber concentration).



MATERIALS*	A						PP	PE					PP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	● ●						○ ●	●					●					
STRENGTH lb/ft (kg/m)	— —						1800 (2678)	1000 (1488)					1800 (2678)					
OPEN AREA	0%						0%						0%					
AGENCY ACCEPTANCE**	FDA						FDA***											

*** MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **HSEC =** High Strength Electrically Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

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***** NOTE:** Not FDA approved for fatty and oily food contact (polypropylene grey/polyethylene black only).

Modular Plastic Conveyor Belts

Series 1400

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

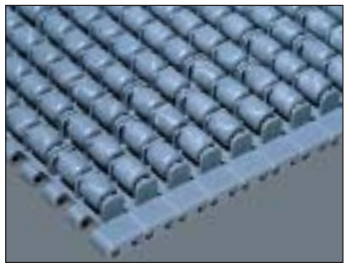
Drive System
Center/Hinge-driven

Non Skid

Small 1.0 inch (25.4 mm) pitch allows use of smaller drive sprockets than traditional "moving platform" belts, providing tighter transfers and requiring shallower floor trenches. Available with yellow edge modules to provide added safety.

Roller Top

Allows low back pressure accumulation for gentle product handling. Belt has 144 rollers per square foot providing greater product-to-roller contact. Stainless steel roller axle pins for durability. SLIDELOX™ Rod Retention System.



MATERIALS*	HSEC						A						
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	● ● ● ●						●						
STRENGTH lb/ft (kg/m)	1875 (2790)						2500 (3720)						
OPEN AREA	0%						0%						
AGENCY ACCEPTANCE**							FDA, MC						

Sprockets

Plastic, split sprockets are available in the following nom. pitch diameters: 16 tooth, 5.1" (130 mm), 18 tooth, 5.7" (145 mm), 21T, 6.7" (170 mm), shown, and a 31 tooth, 9.9" (250 mm). Intralox can machine sprockets with different numbers of teeth if the application cannot use standard sizes.

NEW 3.9" Pitch Diameter Square Bore Sprocket

Allows easy retrofit from Series 900 Friction Top belt to Series 1400 Friction Top belt. No conveyor modifications needed to accommodate sprockets. Available in Acetal; 1.5" and 40 mm square bore sizes.

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Modular Plastic Conveyor Belts

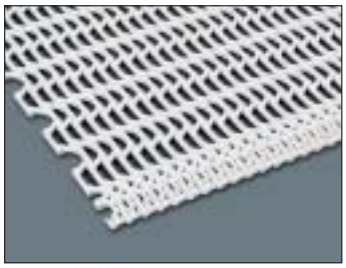
Series 1500

Nominal Pitch, In. (Mm)
0.5 (12.7 mm)

Drive System
Hinge-driven

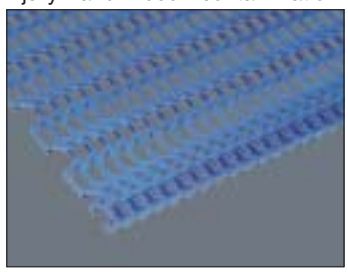
Flush Grid

Nominal 0.5" (12.7 mm) pitch for tight nosebar transfers. Belt has 48% open area for improved drainage and flow through. Smooth upper surface with fully flush edges. Minimizes risk of worker injury and food contamination.



Flush Grid Detectable

Nominal 0.5" (12.7 mm) pitch for tight nosebar transfers. Belt has 48% open area for improved drainage and flow through. Smooth upper surface with fully flush edges. Minimizes risk of worker injury and food contamination.



Sprockets

Sprockets are available in the following nom. pitch diameters: 12 tooth, 1.9" (48mm), 14T, 2.3" (58 mm) 17T, 2.7" (69 mm),19T, 3.1" (79 mm), 24T, 3.8" (97 mm), and 36T, 5.7" (145 mm), shown.

MATERIALS*	PP	A	HRN				DPP					
COLORS: *Refer to the Key to Color & Material Combinations on pg. 8.*	○	● ○	●				●					
STRENGTH lb/ft (kg/m)	150 (223)	240 (357)	175 (260)				80 (119)					
OPEN AREA	48%						48%					
AGENCY ACCEPTANCE**	FDA, ***, MC						FDA, ***					

Series 1600

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

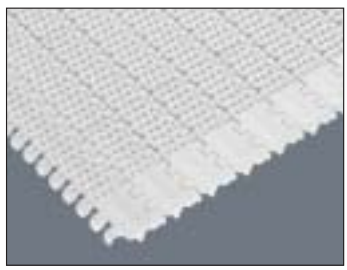
Drive System
Center-driven

Open Hinge Flat Top

Cam-link designed hinges allow the belt to open up more around the sprocket for easier access to hinge area for cleaning. Sculpted underside and large corner rounds prevent debris build up, making cleaning easier and faster.

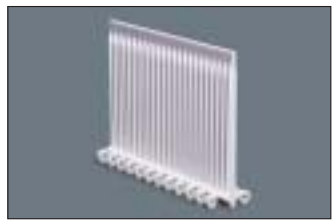
Nub Top

Combines the proven product release capability of Intralox's Nub Top design with the Series 1600 belt's small, 1.0" (25.4 mm) pitch for tight transfers. Recommended to reduce product waste and improve handling of delicate food products.



Sprockets

Sprockets are available in the following nom. pitch diameters: 6 tooth, 2.0" (51 mm) 10T, 3.2" (81 mm), 12T, 3.9" (99 mm), and 20T, 6.4" (163 mm).



No-Cling Flights

The 4" (102 mm) flight's "ridges" are part of the No-Cling design which reduces product sticking and improves yield.

MATERIALS*	PP	PE	A				PP	PE				
COLORS: *Refer to the Key to Color & Material Combinations on pg. 8.*	○	○ ●	○				○	○				
STRENGTH lb/ft (kg/m)	700 (1040)	350 (520)	1400 (2100)				700 (1040)	350 (520)				
OPEN AREA	0%						0%					
AGENCY ACCEPTANCE**	USDA Dairy, FDA, ***						USDA Dairy, FDA, ***					

* **MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **ECA =** Electrically Conductive Acetal **DPP =** Detectable Polypropylene Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

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*** Prior to Intralox's development of the Series 800 Flush Grid and Open Hinge, Series 1500, Series 1600, Series 1700, Series 1800, Series 2400, and Series 2600, USDA-FSIS discontinued publishing a list of acceptable new products designed for food contact. Third party approvals are being investigated, but are not yet sanctioned by the USDA-FSIS.

Modular Plastic Conveyor Belts

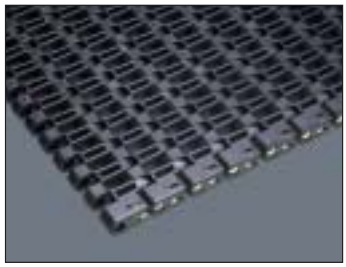
Series 1700

Nominal Pitch, In. (Mm)
1.50 (38.1 mm)

Drive System
Center/Hinge-driven

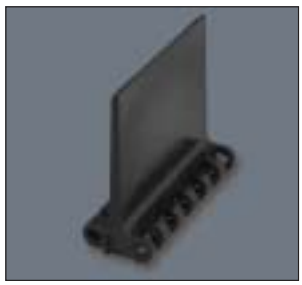
Flush Grid Abrasion Resistant

Developed to address high levels of abrasion present in applications such as tomato and potato receiving areas. The belt has double hinge rods that dramatically reduces wear in the hinge area and minimizes rod cam-shafting.



Sprockets

Sprockets are available in the following nom. pitch diameters: 12 tooth, 5.8" (147 mm), 14 tooth, 6.7" (170 mm), and 16 tooth, 7.7" (196 mm). This system has a greater service life in highly abrasive applications than any other modular plastic belt on the market today. Contact Intralox customer service for specific lead times.



Streamline Flight

A streamline flight is available in a 4'' (102 mm) height. These flights can be cut down to any height to meet customer requirements for specific applications. Minimum indent is 2.0" (51 mm). This system has a greater service life in highly abrasive applications than any other modular plastic belt on the market today.

MATERIALS*	ARN					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	●					
STRENGTH lb/ft (kg/m)	1800 (2678)					
OPEN AREA	37%					
AGENCY ACCEPTANCE**	***					

Series 1800

Nominal Pitch, In. (Mm)
2.50 (63.5 mm)

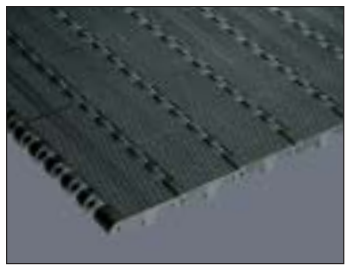
Drive System
Center-driven

Flat Top

New, highly impact-resistant belt developed for tough meat applications. The 2.5" (63.5 mm) belt has 50% fewer pockets to trap debris. Headless rod retention design allows less chance for breakage and easier maintenance and repair.

Mesh Top

Slots are larger and are tapered, providing optimum water flow for drainage and product dewatering. Unique slot size prevents small to medium-sized product or stems from being pulled out or lost in production. Open hinge design promotes fast, thorough clean up.



Sprockets

EZ Clean sprockets are available in 6 tooth, 5.0'' (127 mm), 8T, 6.5'' (165 mm), 10T, 8.1'' (206 mm) and 13T, 10.5'' (267 mm) pitch diameters.

Flight

4" (106 mm) molded impact resistant flights are available, and may be cut down to other heights to meet customer requirements.

MATERIALS*	PP	PE	A				UV-A					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○	○ ●	○				●					
STRENGTH lb/ft (kg/m)	1200 (1786)	700 (1042)	1200 (1786)				1500 (2230)					
OPEN AREA	0%						32%					
AGENCY ACCEPTANCE**	USDA Dairy, FDA, MC, ***						FDA					

* **MATERIALS: PP =** Polypropylene **PE =** Polyethylene **A =** Acetal **UV-A =** UV Resistant Acetal **ARN =** Abrasion Resistant Nylon Conductive **HRN =** Heat Resistant FDA or Non FDA Approved Nylon **FR-TPES =** Flame Retardant Polyester **IRN =** Impact Resistant Nylon

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Modular Plastic Conveyor Belts

Series 2000

Nominal Pitch, In. (Mm)
1.25 (31.8 mm)

Drive System
Center-driven

INTRAFLEX 2000™ Raised Rib (Radius)

Well-suited for 2.2 turn radius spiral cooling applications. USDA accepted. Thick belt edge links for extra strength. Finger transfer plates may be used for smooth product transfer. Snap-in rods.

MATERIALS*	PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○	○				
STRENGTH lb/ft (kg/m)	500 (750)	1130 (1680)				
OPEN AREA	18%					
AGENCY ACCEPTANCE**	USDA-FSIS, FDA, C, MC					

Sprockets

Available in 16 tooth, 6.5" (165 mm); and 20T, 8.1" (206 mm) nom. pitch diameters. A 16T, 6.5" (165 mm) top drive sprocket, (shown) is also available.

Finger Transfer Plates

Eliminates tipping problems at product transfer. The 18 fingers extend between the belt's ribs allowing a smooth continuation of the product flow as the belt engages its sprockets. Finger Transfer Plates are installed easily on the conveyor frame with the shoulder bolts supplied.

Series 2200

Nominal Pitch, In. (Mm)
1.5 (38.1 mm)

Drive System
Hinge-driven

Radius Flush Grid (2.2)

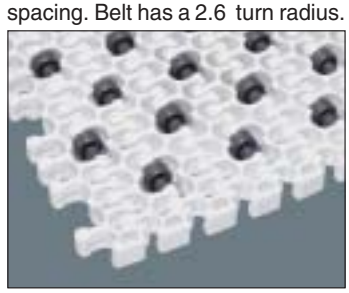
Strong, versatile belt with 50% open area and 2.2 turn radius. USDA accepted. Available with or without tabbed edge for hold down. Flights are available for incline applications. Headless rod retention system allows re-use of rods.

Radius Friction Top (2.2)

The rubber friction surface is co-molded to the top of the belt. Offers increased rubber grip surface area, which provides greater durability and longer belt life. Available with or without tabbed edge for hold down. Belt has a 2.2 turn radius.

Radius Flush Grid (2.6) with Insert Rollers

Handles heavy loads of boxes, cases, tubs, etc. Insert rollers allow plants to standardize on a single belt for straight runs, radius turns, and low back pressure accumulation. Belt strengths are for 3" roller spacing. Belt has a 2.6 turn radius.



MATERIALS*	PP	PE	A				PP	PE					PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○	○ ●				○ ●	○					○ ●	○ ●				
STRENGTH lb/ft (kg/m)	1600 (2380)	1000 (1490)	2500 (3720)				1600 (2380)	1000 (1490)					400 (600)	630 (940)				
OPEN AREA	50%						50%						50%					
AGENCY ACCEPTANCE**	USDA-FSIS, USDA DAIRY, FDA, A, C, M						FDA***						FDA					

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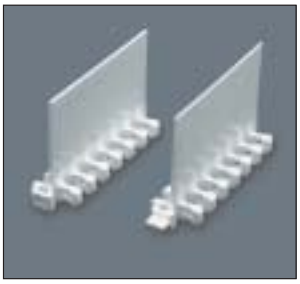
**** AGENCY:** **USDA** - U.S. Department of Agriculture **USDA-FSIS** - U.S. Department of Agriculture-Meat & Poultry **USDA-DAIRY** - U.S. Department of Agriculture-Dairy **FDA** - Food and Drug Association **A** - Australian Quarantine Inspection Service **C** - Canada Food Inspection Agency **M** - MAF New Zealand Dairy **MC** - Italian Migration Certificate **UL** - Underwriter's Laboratory **Z** - New Zealand Ministry of Agriculture and Fisheries

***** NOTE:** Not FDA approved for fatty and oily food contact (polypropylene grey).

Modular Plastic Conveyor Belts

Molded Sprockets

Molded sprockets are available in the following nominal pitch diameters: 8 tooth, 3.9" (99 mm); 11T, 5.3" (135); 13T, 6.3" (160 mm), shown; and 16T, 7.7" (196 mm).



Flights

Streamline Flights are available 4" (102 mm) high and can be cut down to any height. No fasteners are required. Flights can be provided in linear increments of 1.5" (38 mm). The standard indent is 5/8".

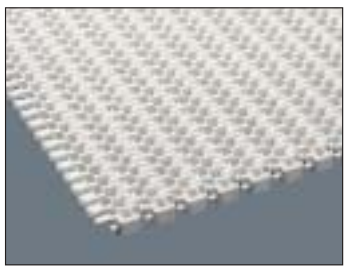
Series 2400

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

Drive System
Hinge-driven

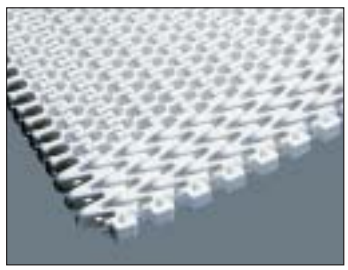
Radius Flush Grid (2.2)

Strong, versatile belt with small holes, 42% open area and a 2.2 turning radius. Durable and easy to clean. Small pitch allows tight transfers for delicate products.



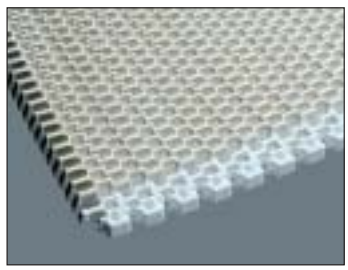
Tight Turning Radius (1.7)

Same interior design as 2400 Radius (2.2 turning version), but with edge modules that collapse tighter, allowing for down to a 1.7 turning radius up to 24" wide (18" wide in spiral applications). Contact customer service for specific conveyor requirements.



Radius Friction Top (2.2)

Friction top modules can be built into either turning radius version. Rubber is bonded to the top surface of interior modules and provides a friction top surface for inclines and declines.



MATERIALS*	PP	A					PP	A					PP					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○ ●					○ ●	○ ●					○ ●					
STRENGTH lb/ft (kg/m)	1200 (1785)	1700 (2528)					600 (893)	600 (893)					1200 (1785)					
OPEN AREA	42%						42%						42%					
AGENCY ACCEPTANCE**	USDA-Dairy, FDA, A, MC, ****						USDA-Dairy, FDA, A, MC, ****						FDA, MC, ***					

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*** **NOTE:**Not FDA approved for fatty and oily food contact (polypropylene grey).

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Modular Plastic Conveyor Belts

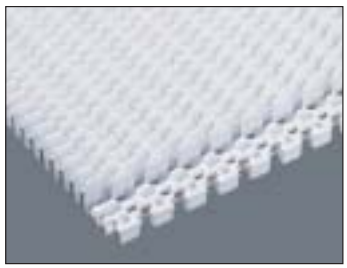
Series 2400

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

Drive System
Hinge-driven

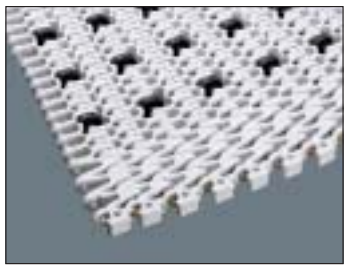
Raised Rib (2.2)

Raised Rib surface stands 0.5" (12.7 mm) taller than its edge modules allowing packages to span the full belt width and beyond without touching the edge hold down wearstrip. Greatly simplifies retrofits of roller curves and reduces new construction costs.



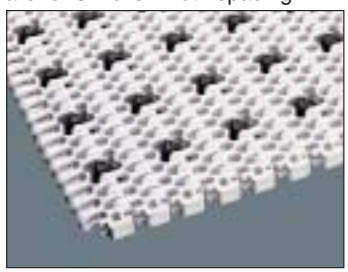
Tight Turning Radius FG with Roller Inserts (2.4)

For low back pressure accumulation in applications requiring a radius belt. Offers 42% open area and a 2.4 turning radius up to 24" wide (18" wide in spiral applications). Wide roller-to-rod contact area means less wear.



Radius Flush Grid with Roller Inserts (2.9)

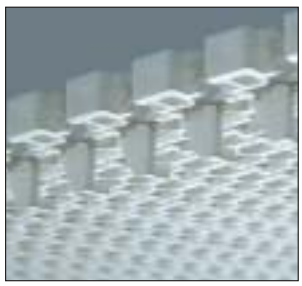
For low back pressure accumulation in applications requiring a radius belt. Offers 42% open area and a 2.9 turning radius. Wide roller-to-rod contact area means less wear. NOTE: belt strengths are for 3" roller width spacing.



MATERIALS*	PP	A					PP	A					PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○					○ ●	○ ●					○ ●	○ ●				
STRENGTH lb/ft (kg/m)	1200 (1785)	1700 (2528)					500 (744)	500 (744)					700 (1040)	1000 (1490)				
OPEN AREA	42%						42%						42%					
AGENCY ACCEPTANCE**	USDA-Dairy, FDA, A, MC						FDA						FDA					

Molded Sprockets

Molded sprockets are available in the following nom. pitch diameters: 6 tooth, 2.0" (51 mm); 9T, 2.9" (74 mm); 12T, 3.9" (99 mm); 16T, 5.1" (130 mm) and 20T, 6.4" (163 mm).



Hold Down Guide

Guide is on the bottom of the belt for use when the belt edges need to be clear. The hold down guide steers the belt through the turns and holds it in place vertically. For belts with a 2.2 turning radius only.

Flights

Intralox 3" (76 mm) No-Cling Flights for Series 2400. The flight's "ridges" are part of the No-Cling design which reduces product sticking to improve yield.

Sideguards

Universal and Clip-On Sideguards assure product containment in high speed and general spiral applications and incline/decline applications. The Universal Sideguard is available in 1" (25 mm) and 3" (76 mm), and is an integral part of the belt, fastened by hinge rods. The Clip-On Sideguard snaps into the belt's edge modules with 2.2 turn ratio and is available in 0.75" (19 mm).

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Modular Plastic Conveyor Belts

Series 2600

Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

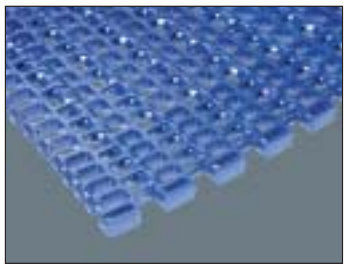
Drive System
Hinge-driven

Spiralox™ 1.6 Radius

Designed specifically for cooling, freezing, proofing and other spiral applications. Features superior lateral beam stiffness, sustains high curve belt strength, large open area, and a 1.6 minimum turning radius.

Spiralox™ 2.2 Radius

Designed specifically for cooling, freezing, proofing and other spiral applications. Features superior lateral beam stiffness, sustains high curve belt strength, large open area, and a 2.2 minimum turning radius.



Sprockets

Sprockets are available in the following nominal pitch diameters: 8 tooth, 5.2" (132 mm) and 10 tooth, 6.5" (165 mm).

MATERIALS*	PP	A					PP	A				
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	○ ●	○ ●					○ ●	○ ●				
STRENGTH lb/ft (kg/m)	1500 (2232)	1700 (2530)					1500 (2232)	1700 (2530)				
OPEN AREA	57%						57%					
AGENCY ACCEPTANCE**	FDA, ***						FDA, ***					

Series 3000

Nominal Pitch, In. (Mm)
2.0 (50.8 mm)

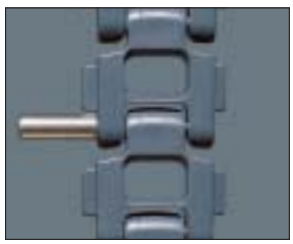
Drive System
Center-driven

Knuckle Chain

Offers a thick, durable plastic surface around stainless steel pins for long life and less breakage. Comes in both straight and turning versions. Turning version strength is 560 lb/ft (254 kg/m). Available in boxed lengths of 10' (3.05 m).

Sprockets

Square and round bore sprockets are available in 8 tooth, 5.2" (132 mm); 10T, 6.5" (165 mm) and 12T, 7.7" (196 mm, shown), nom. pitch diameters.



Extended Pins

Modules with 303 stainless steel extended pins for use in turning and straight running chains. These pins are commonly used in side by side chain strands when rollers are used for low back pressure applications.

Extended Tabs

Modules with extended tabs for use in turning and straight running chains. These extended tabs can be used to attach flights, cleats, etc.

MATERIALS*	A					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	●					
STRENGTH lb/ft (kg/m)	700 (317)					
OPEN AREA	—					
AGENCY ACCEPTANCE**	USDA-FSIS, FDA					

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Modular Plastic Conveyor Belts

Series 4000

Nominal Pitch, In. (Mm)
1.0 (25.4 mm)

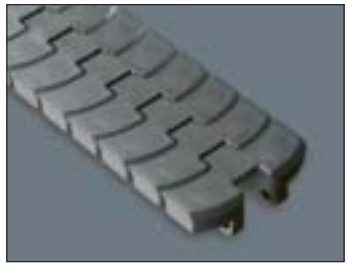
Drive System
Hinge-driven

S4009 Flat Top and Flush Grid Chain

The 83.8 mm chain width conforms to European conveyor standards. Same top thickness as Series 900 Flat Top and Flush Grid respectively. Available in boxed lengths of 10' (3.05 m).

S4014 Flat Top Chain

83.8 mm chain with same top thickness as Series 1400 Flat Top [0.5" (12.7 mm)] for heavy-duty applications. Available in boxed lengths of 10' (3.05 m).



MATERIALS*	A						A					
COLORS: ***Refer to the Key to Color & Material Combinations on pg. 8.***	● ●						● ●					
STRENGTH lb/ft (kg/m)	500 (227)						500 (227)					
OPEN AREA	0%-Flat Top; 13%-Flush Grid						0%					
AGENCY ACCEPTANCE**	FDA						FDA					

Sprockets

Square bore sprockets are available in 12 tooth, 3.9" (99 mm); 16 tooth, 5.1" (130 mm); 18T, 5.7" (145 mm), shown and 21T, 6.7" (170 mm), 31T, 9.9" (251 mm) nom. pitch diameters.

Beveled hold down eliminates need for expensive magnetic corner track. Crescent-shaped modules and one-inch pitch minimize gaps through turns.

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Notes

Notes

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