



New London Engineering

Quality Conveyors Since 1948



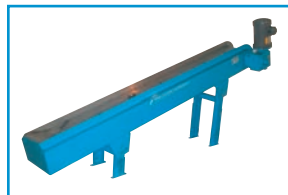
General Catalog



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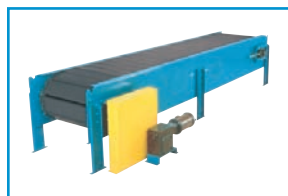
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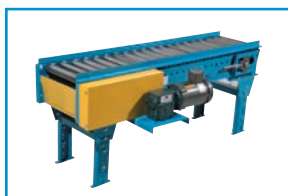
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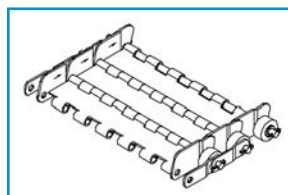
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UpTime Express 24-Hour Shipments (see inside back cover)

PlastiTrak Plastic Belt Conveyors

PlastiTrak – Model 1000 and Model 2000 Comparison Chart

| MODEL | FRAME GAUGE / DEPTH | BELT WIDTHS | FRAME WIDTHS | FRAME SPREADER | SHAFTS | TYPICAL PRODUCTS | RETURN ROLLERS | COMMON INDUSTRY DEFINITIONS |
|-------------|---------------------------|---|--------------|--|----------------------|---|---------------------|-----------------------------|
| 1000 | 12 gauge 6-11/16" deep | Narrow widths (Typically 12" and less) | BW + 1/2" | 12 gauge formed angle (one bend) | 1-3/16" round shafts | Cans & bottles (Bottling plants) | 2" x 7/16" hex | Table top |
| | | | | | | | | Chains |
| 2000 | 10 gauge 7-5/8" deep | Wider widths (Widths range from 12" up to 100+)" | BW + 7/8" | 10 gauge formed channel (two bends) | 1-1/2" square shafts | Cases, boxes and pallets (Production & Manufacturing Operations) | 2-1/2" x 11/16" hex | Mat top |
| | | | | | | | | Belts |



Model 1000-S



Model 1000-C

The Model 1000 plastic belt conveyors are typically used to convey lighter products like bottles and cans. Since the live loads for these applications are typically lighter, light construction features including a 12-gauge frame are standard. These units are common in bottling operations, dairies and pharmaceutical plants.



2000-S

General Transport Applications

This unit is designed for low cost, general transport applications in light duty production and packaging operations.



2000-S

Accumulation Applications

This unit is designed for accumulations of products ranging from boxes of candy or laundry detergent to accumulations of irregular shaped products like newspapers or magazines.



2000-C

This unit is used in production and packaging operations requiring a right hand or left hand curve.



2000-CF

This unit is designed for applications that require curves and an elevation change.



2000-F

This unit uses flights (cleats) to transport small unboxed products like plastic parts, nuts, bolts, plastic bottles, cans or stampings.



2000-N

This unit is designed to carry boxes (packaged items) up inclines or down declines.

ToughTrak Tough & Durable Low-Profile Conveyors

Discharge

Crowned face knurled drive pulley continually tracks belts and prevents belts from slipping

Toughtrak is available with a wide variety of belt and cleat options.

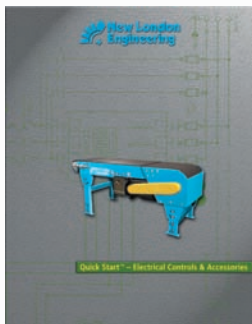
Accessible discharge end take up system with $3\frac{3}{4}$ " of belt take up

Many widths available in New London's UpTime Express 24-hour ship program

Classic and dependable 12-gauge steel frame

Low profile $1\frac{3}{4}$ " deep frame

Sturdy and adjustable 12-gauge unistrut style supports



Quick Start Electrical Controls

New London Engineering stocks a wide variety of starters, electrical components and pre-wired fixed and pre-wired variable speed drive packages. Add a pre-wired Quick Start control package to your conveyor and it's ready to run when it arrives.

ToughTrak Common Features

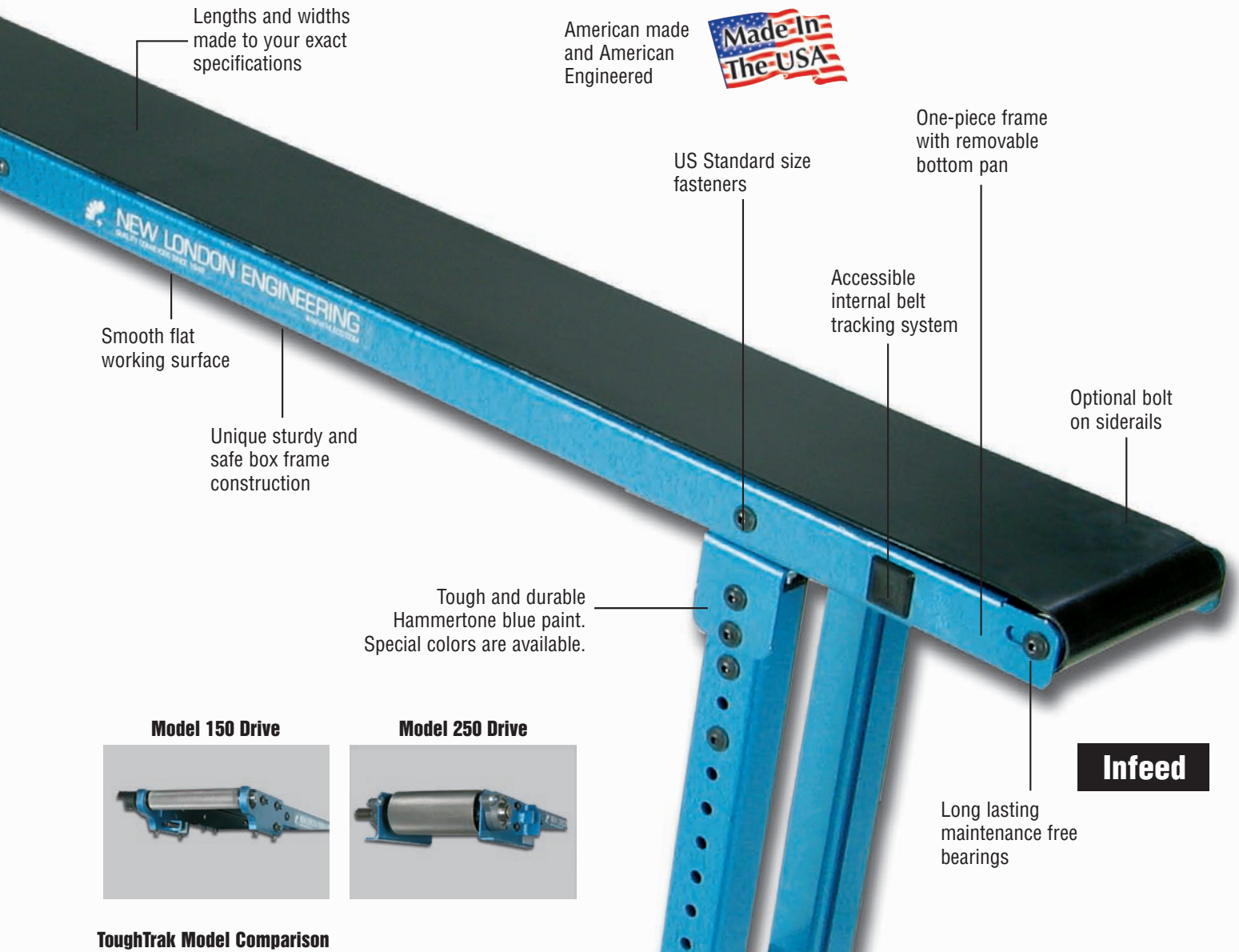
| FRAME | INFEED PULLEY | DRIVE PULLEY FACE | STANDARD BELT | SUPPORTS |
|--|--|-----------------------|--|------------------------------------|
| 12 Gauge x $1\frac{3}{4}$ " deep (Frame width is BW + $31\frac{3}{32}$ ") | $1\frac{5}{16}$ " Diameter Flat Face x $\frac{1}{2}$ " Bore | Crown Face Knurled | 2-Ply Black PVC with #36 Unibar Lacing | Adjustable 12 Gauge Unistrut |

ToughTrak Tough & Durable Low-Profile Conveyors

Design and Construction Features

ToughTrak low profile conveyors are lean and mean working machines. These steel fabricated, tough and durable conveyors are built to survive the extreme tests of the manufacturing environment. ToughTrak is not only built to last, they can be built to your exact length and width specifications at a cost lower than any other low profile conveyor.

ToughTrak Low Profile Conveyors are American made and American engineered to work harder and last longer than any competitor in its class. That's why they are called ToughTrak!



Model 150 Drive



Model 250 Drive



ToughTrak Model Comparison

| MODEL | APPLICATION | DRIVE PULLEY DIA. | DRIVE PULLEY BORE | DRIVE PULLEY BEARING | DRIVE PULLEY HEAD PLATE | DRIVE-MOTOR | TAKE UP/TRACKING |
|------------------|--|----------------------------------|-------------------|-------------------------------|----------------------------------|---|---|
| Model 150 | Standard Duty Low Profile Applications | 1 ⁵ / ₁₆ " | 5/ ₈ " | Pressed in Precision Bearings | Machined 1/ ₂ " Thick | Gearmotors | Internal @ Infeed Internal @ Discharge |
| Model 250 | Heavy Duty Low Profile Applications | 2 ⁷ / ₈ " | 3/ ₄ " | 2 Bolt Flanged Grease Sealed | 10 Gauge Formed | Motor-Reducer Combinations with 56 C Frames | Internal @ Infeed External @ Discharge |

Horizontal Conveyors Slider Beds

Model 200



- This shallow frame conveyor can fit into tight spaces other slider beds can't.
- Designed for shorter run, lightweight applications.

Model 210



- Built for low maintenance operations in medium duty length and weight applications.

Model 220 & 221



- This sturdy, solid heavy duty conveyor is built for longer, wider and heavier weight applications.

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVE PULLEY SIZE | DRIVE PULLEY TYPE* | DRIVE PULLEY SHAFT DIA. | INFEED PULLEY SIZE | INFEED PULLEY TYPE* | INFEED PULLEY SHAFT DIA. | STANDARD BELT | STD. DRIVE | OTHER |
|-------|-----------------------------------|-------------|-------------|-------------------|--------------------|-------------------------|--------------------|---------------------|--------------------------|--|---------------|---|
| 200 | Standard duty slider bed | 12 | 2.75" | 4.625" | CFRL pulley | 1.1875" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | Bottom | Base length = 5' |
| 210 | Medium duty slider bed | 12 | 2.75" | 8.625" | CFRL pulley | 1.4375" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | Bottom | Base length = 5' |
| 220 | Medium – heavy duty slider bed | 12 | 5.5" | 8.625" | CFRL pulley | 1.4375" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | Bottom | Base length = 5' |
| 221 | Heavy duty slider bed | 12 | 5.5" | 8.625" | CFRL pulley | 1.6875" | 4" | CF pulley | 1.4375" | 2 ply black PVC 120 | Bottom | Heavy shaft M220 |
| 301 | Standard duty V-guided slider bed | 12 | 6.625" | 4.625" | FFRL "A" section | 1.1875" | 4" | FF "A" section | 1.1875" | 2 ply black PVC 120 "A" section V-guided | Bottom | V-guided deep frame M200 |
| 311 | Medium duty V-guided slider bed | 12 | 6.625" | 8.625" | FFRL "A" section | 1.4375" | 4" | FF "A" section | 1.1875" | 2 ply black PVC 120 "A" section V-guided | Bottom | V-guided deep frame M220 |
| 321 | Heavy Duty V-guided slider bed | 12 | 6.625" | 8.625" | FFRL "A" section | 1.6875" | 4" | FF "A" section | 1.4375" | 2 ply black PVC 120 "A" section V-guided | Bottom | Heavy shaft M311 |
| 640 | Heavy duty belt over roller bed | 12 | 6.5" | 8.625" | CFRL pulley | 1.4375" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | Bottom @ dis. | Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers |

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Model 301



Model 311



- "V" guided conveyor designed for lightweight, side loading and short, but wide applications.

Model 321



- "V" guided conveyor designed for heavier weight, side loading and short, but wide applications.

Model 640



- Roller bed conveyor designed to carry heavy loads, longer distances.

Floor to Floor Conveyors

Model 410

Shown with optional power feeder

- Medium duty conveyor built for moving narrower and lighter items up shorter levels.

Model 420

Shown with optional power feeder

- Heavier duty conveyor built for moving large, awkward items up longer distances.

Floor to Floor Conveyor Comparison Chart

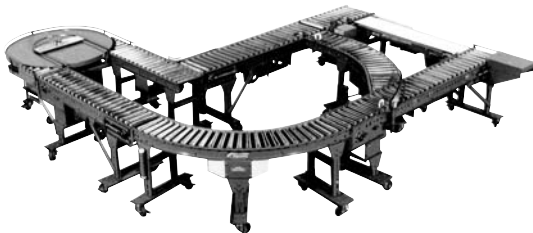
Floor to Floor Conveyors — These units are typically used to carry boxes (packaged items) up inclines or down declines. What differentiates these units from cleated belt conveyors are its **cost, belt and a nose-over feature**.

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVE PULLEY SIZE | PULLEY PULLEY TYPE* | DRIVE PULLEY SHAFT DIA. | INFEED PULLEY SIZE | PULLEY PULLEY TYPE* | INFEED PULLEY SHAFT DIA. | STANDARD BELT | STD. DRIVE* | OTHER |
|-------|-------------------------------------|-------------|-------------|-------------------|---------------------|-------------------------|--------------------|---------------------|--------------------------|----------------------------------|-------------|---|
| 410 | Medium duty floor to floor conveyor | 12 | 2.75" | 4.625" | CFRL pulley | 1.1875" | 4" | CF pulley | 1.1875" | 2 ply 150 black rubber rough top | Bottom | Unit includes an adjustable nose over. Inclines use a M200 frame (Power feeders are optional) |
| 420 | Heavy duty floor to floor conveyor | 12 | 5.5" | 8.625" | CFRL pulley | 1.4375" | 4" | CF pulley | 1.1875" | 2 ply 150 black rubber rough top | Bottom | Unit includes an adjustable nose over. Inclines use a M220 frame (Power feeders are optional) |

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Turntable Conveyors

Model 180



- Typically used in sorting applications and systems requiring a 180 degree turn. These units can turn products 180 degrees in spaces traditional conveyors can't.

Model 181



- Used in accumulation or sorting applications. Decks can be made of carbon or stainless steel.

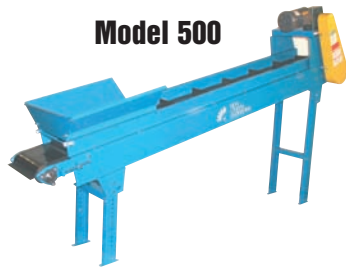
Turntable Conveyor Comparison Chart

Turntable Conveyors

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | STANDARD REVOLUTIONS / APPLICATION | RAILS | STANDARD DRIVE | OTHER |
|-------|-------------------------------|-------------|-------------|--|-------------------------|----------------|--|
| 180 | Directional change turn table | 12 | 2" | 2.5 revolutions per minute – Typically used in sorting applications and systems with a 180 degree turn. These units will fit in tight spaces traditional radius curve units can't. | 3-1/2" stationary rails | Bottom | Turntables are available in standard 3' – 8' table diameters |
| 181 | Accumulation turn table | 12 | 2" | 1-3 revolutions per minute – This unit is designed for use in accumulation and sorting applications. | 6" rotating rails | Bottom | |

Inclined Conveyors Cleated Belt Conveyors

Model 500



– This standard duty conveyor is designed to carry lighter weight and smaller product.

Model 351



– Standard duty “V” guided inclining conveyor.

Model 505 & 506



– This heavy duty conveyor is designed to move larger and heavier products up inclines.

Inclined Conveyors – Horizontal Inclined Units Comparison Chart

Inclined Conveyors – Horizontal Inclined Units — These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings up inclines

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVE PULLEY SIZE | DRIVE PULLEY TYPE* | DRIVE PULLEY SHAFT DIA. | INFEED PULLEY SIZE | INFEED PULLEY TYPE* | INFEED PULLEY SHAFT DIA. | STANDARD BELT | STD. DRIVE* | OTHER |
|-------|--|-------------|----------------------|-------------------|--------------------|-------------------------|--------------------|---------------------|--------------------------|---|-------------|--|
| 150 | Standard duty low profile inclining conveyor | 12 | 1.75" + cleat height | 2.875" | CF knurled pulley | .75" | 1.3125" | FF pulley | .5" | 2 ply black PVC 70 | Bottom | Note: Frame depth changes with cleat height |
| 500 | Standard duty inclining conveyor | 12 | 6.625" | 4.625" | CFRL pulley | 1.1875" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 with 1-1/2" cleats on 12" centers | Top | Unit includes 1-1/2" or 3/12" rails and a bottom pan |
| 505 | Medium duty inclining conveyor | 10 | 13" | 8.625" | CFRL pulley | 1.4375" | 8" | CF pulley | 1.4375" | 2 ply black PVC 120 with 3" cleats on 12" centers | Top | Unit includes 6" high siderails |
| 506 | Heavy duty inclining conveyor | 10 | 13" | 8.625" | CFRL pulley | 1.6875" | 8" | CF pulley | 1.4375" | 2 ply black PVC 120 with 3" cleats on 12" centers | Top | Heavy drive shaft M505 |
| 351 | Standard duty V-guided inclining conveyor | 12 | 6.625" | 4.625" | FFRL "A" section | 1.1875" | 4" | FF "A" section | 1.1875" | 2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section | Top | V-guided M500 |

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Inclined Conveyors S-Shaped Cleated Belt Conveyors

Model 521



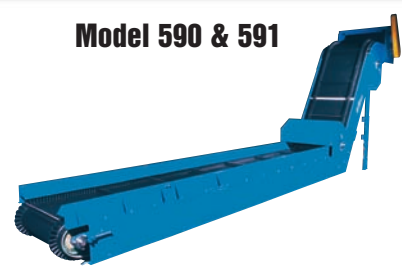
– Standard duty parts and bulk material handling conveyor.

Model 361



– Standard duty “V” guided parts and bulk material handling conveyor.

Model 590 & 591



– Medium to heavy duty parts and bulk material handling conveyor.

Inclined Conveyors Comparison Chart

Inclined Conveyors – “S” Shaped Units – Horizontal to Incline (Type II) – Horizontal to Incline to Horizontal (Type III) – Incline to Horizontal (Type IV) — These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings from a horizontal position up an incline.

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVE PULLEY SIZE | DRIVE PULLEY TYPE* | DRIVE PULLEY SHAFT DIA. | INFEED PULLEY SIZE | INFEED PULLEY TYPE* | INFEED PULLEY SHAFT DIA. | STANDARD BELT | STD. DRIVE* | OTHER |
|-------|--|-------------|-------------|-------------------|--------------------|-------------------------|--------------------|---------------------|--------------------------|---|-------------|--|
| 521 | Light duty parts or bulk material handling conveyor | 12 | 6.625" | 4.5" | CFRL pulley | 1.1875" | 4" | CF pulley | 1.1875" | 3 ply RMV with 1-1/2" cleats on 12" centers 1-1/2" wall x 1" cleats for bulk applications | Top | – 1-1/2" or 3/12" side rails – 1-7/8" dia. x 3/4" face hold down wheels – 30°, 45° and 60° inclines std |
| 361 | Standard duty V-guided type II, III & IV conveyor** | 12 | 6.625" | 4.625" | FFRL "A" section | 1.1875" | 4.25" | FF "A" section | 1.1875" | 2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section | Top | V-guided M521 |
| 590 | Medium to heavy duty parts or bulk material conveyor | 10 | 13" | 8.625" | CFRL pulley | 1.4375" | 8" | CF pulley | 1.4375" | – 2 ply 150 cross rigid x 3" cleats on 12" centers | Top | (2) 12" diameter x 2" wide deflection hold down wheels – 3" high wall x 2-1/2" cleats for bulk app. |
| 591 | Heavy duty parts or bulk material conveyor | 10 | 13" | 8.625" | CFRL pulley | 1.6875" | 8" | CF pulley | 1.4375" | – 2 ply 150 cross rigid x 3" cleats on 12" centers | Top | – Heavy drive shaft M590 – (2) 12" diameter x 2" wide deflection hold down wheels – 3" high wall x 2-1/2" cleats for bulk app. |

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

**Type II = Horizontal to Incline; Type III = Horizontal to Incline to Horizontal; Type IV = Incline to Horizontal

Belt Driven Live Roller Conveyors

Model 600 & 610



– Used to convey heavier loads like loaded pallets.

Model 660



– Variable pressure accumulation conveyor.

V-Belt Driven Spurs



– Used to merge production lines.

V-Belt Driven Curves



– Used in curved applications.

Belt Driven Live Roller Conveyor Comparison Chart

Belt Driven Live Roller Conveyors — These units are designed to carry heavy products like pallets, drums or tires

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVE PULLEY SIZE | DRIVE PULLEY TYPE* | DRIVE PULLEY SHAFT DIA. | INFEED PULLEY SIZE | INFEED PULLEY TYPE* | INFEED PULLEY SHAFT DIA. | STANDARD BELT | STD. DRIVE* | OTHER |
|--|--|-------------|-------------|-------------------|--------------------|-------------------------|--------------------|---------------------|--------------------------|--------------------------------|-----------------|---|
| 600 | Medium duty belt driven live roller | 12 | 6.5" | 4.625" | CFRL pulley | 1.1875" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | Bottom @ infeed | Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers |
| 610 | Heavy duty belt driven live roller | 12 | 6.5" | 8.625" | CFRL pulley | 1.4375" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | BM @ infeed | Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers |
| 630 631 645 646 690 691 | V-belt drive 30° curve M630 tapered rollers V-belt drive 45° curve M645 tapered rollers V-belt drive 90° curve M690 tapered rollers | 12 | 8" | 3.8" | Sheave drive | 1.1875" | 3.8" | Sheave | 1.1875" | V Belt: "B" section drive belt | Bottom @ infeed | V-Belt driven live roller curves Rollers – 2" dia. x 16 ga. x .4375" hex on 2-5/8" centers inside rail |
| 660 | Belt driven live roller with accum. zones | 12 | 6.5" | 8.625" | CFRL pulley | 1.4375" | 4" | CF pulley | 1.1875" | 2 ply black PVC 120 | Bottom @ infeed | Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers |

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Chain Driven Live Roller Conveyors

Model 670 & 675



– Used to convey very heavy products longer distances.

2-Strand Chain Conveyor



– Used to convey heavy and larger sized products.

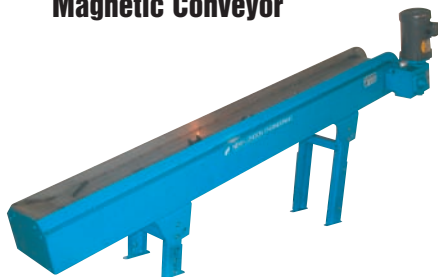
Chain Driven Live Roller Conveyors Comparison Chart

Chain Driven Live Roller Conveyors — These units are designed to carry heavy products like loaded pallets, filled drums or large tires

| MODEL | DESCRIPTION | FRAME GAUGE | DRIVE FRAME DEPTH | PULLEY SIZE | DRIVER | SHAFT | CHAIN & SPROCKET | STD. DRIVE | OTHER |
|------------|--------------------------------------|-------------|-------------------|-------------|--------|------------|--------------------------------|------------|--|
| 670 | Medium duty chain driven live roller | 7 | 6.5" | 2.5" | Roller | 0.688" hex | #60A 16 x 2-1/2" bore sprocket | Bottom | Rollers – 2-1/2" – 11 ga. x 0.6875" hex on 6" centers. Maximum live load is 19,000# |
| 675 | Heavy duty chain driven live roller | 1/4" | 8" | 3.5" | Roller | 1.063" hex | #60A 20 x 3-1/2" bore sprocket | Bottom | Rollers – 3-1/2" x .300 wall 1.0625" hex on 6" centers. Maximum live load is 30,000# |

Magnetic, Drag & Slat Conveyors

**Model 700
Magnetic Conveyor**



– Used to convey very small metal particles or metallic sludge.

**Model 711 & 716
Drag Conveyor**



– Used to convey very small fine chips and turnings.

**Model 770
Slat Conveyor**



– Used to convey large, heavy products like washing machines.

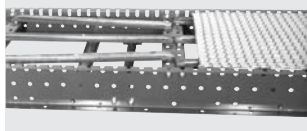
Magnetic, Drag & Slat Conveyor Comparison Chart

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVER SIZE | *DRIVER TYPE* | DRIVE SHAFT DIA. | IDLER SIZE | IDLER TYPE | IDLER SHAFT DIA. | STANDARD CARRIER | STD. DRIVE | OTHER |
|------------|--|-------------|-------------|-------------|---------------|------------------|------------|------------|------------------|-------------------------|------------|--|
| 700 | Standard duty magnetic conveyor | 12 | 6.625" | 13 tooth | 3.1" pd | 1.1875" | 13 tooth | 3.1" pd | 0.6875" hex | Magnets on 12" centers | Shaft | Standard duty and heavy duty magnets are available |
| 711 716 | Single strand drag Dual strand drag | 12 | 8.5" | 12 tooth | 3.854" pd | 1.4375" | 12 tooth | 3.854" pd | 1.1875" | 1-1/2" UHMW cleats | Top | Available with standard or liquid tight bottom pan |
| 770 | Slat conveyor | 7 | 23" | 8 tooth | 15.68" pd | 2.9375" | 8 tooth | 15.68" | 2.1875" | 5-7/8" x 1-1/2" x 7 ga. | Side | Slat conveyor |

Wire Mesh Conveyors

This light to medium-duty wire mesh conveyor is designed to handle special applications with a variety of deck options including rollers, longitudinal wear strips and herringbone wear strips.

Model 800

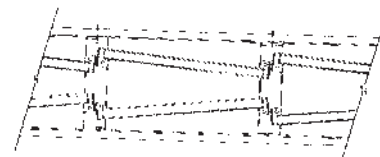


Model 800

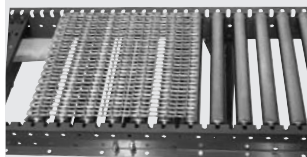
Herringbone Wear Strip Deck:

- The Herringbone wear strips are made of stainless steel
- Ideal for water, high temperature and/or dirty and gritty applications
- The unique Herringbone deck pattern spreads the belt wear evenly across the belt

Model 800



Model 801

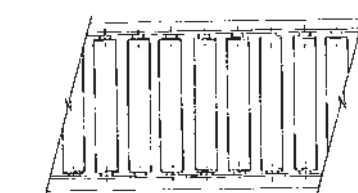


Model 801

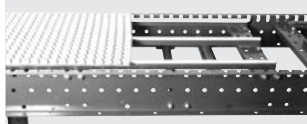
Roller Bed Deck:

- Medium- to heavy-duty applications
- Rollers reduce friction between the wire mesh and deck optimizing drive horsepower

Model 801



Model 802

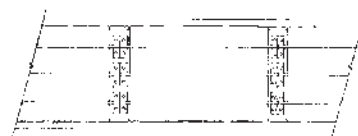


Model 802

High-density Plastic Wear Strip Deck:

- An all-around cost-effective performer
- Light- to medium-duty applications
- "Snap on, Snap off" wear strips are easy to replace

Model 802



Gravity Roller Conveyors

Model 901, 910, 911, 920, 921 & 950 Gravity Roller Conveyors



Series 900 (Gravity Roller Conveyor) Summary

| MODEL | ROLLER DIAMETER | ROLLER TUBE GAUGE | HEX AXLE | FRAME DEPTH | FRAME GAUGE | ROLLER RATING |
|-----------|-----------------|-------------------|----------|------------------------|-------------|---------------|
| Model 901 | 1-3/8" | 18 | 5/16 | 2-1/2" x 1" | 12 | 100# |
| Model 910 | 2" | 16 | 7/16 | 3-1/2" x 1-1/4" | 10 | 240# |
| Model 911 | 2" | 13 | 7/16 | 3-1/2" x 1-1/4" | 10 | 280# |
| Model 920 | 2-1/2" | 11 | 11/16 | 4 x 5.4#-channel frame | | 600# |
| Model 921 | 2-5/8" | 7 | 11/16 | 4 x 5.4#-channel frame | | 650# |
| Model 950 | 3-1/2" | .300 wall pipe | 1-1/16 | 6 x 8.2#-channel frame | | 2,000# |

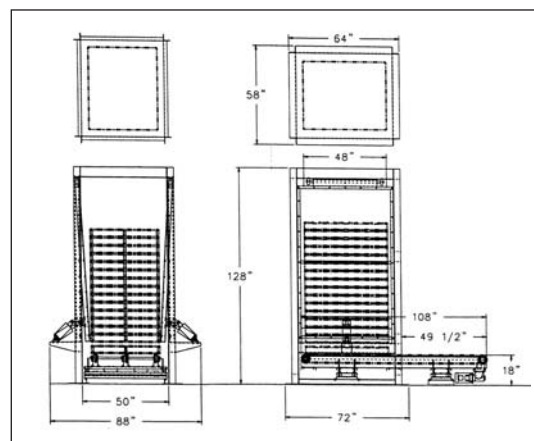
Automatic Pallet Dispensers



Pallet Dispenser Sequence of Operation

1. Pallets are loaded into the dispenser with the side clamps retracted.
2. Following loading, the side clamps are activated and grip the second pallet from the bottom.
3. The chain conveyor infeed then lowers releasing the bottom pallet.
4. Steps 2 & 3 are repeated until all pallets are emptied.

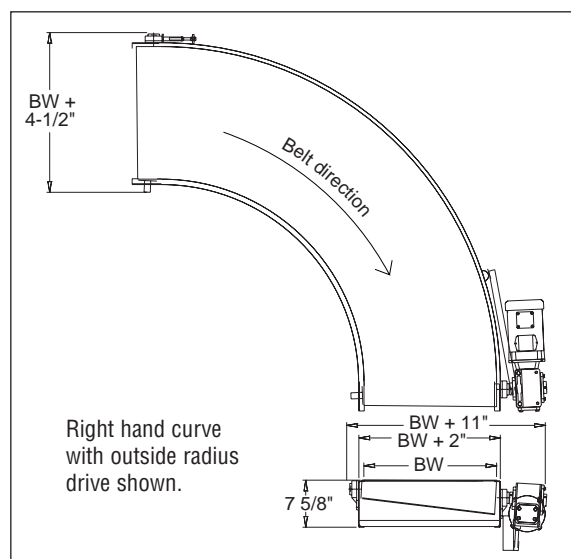
Unit includes all pneumatics up to piping. Controls are not included .
(Note: there are 3 solenoid valves.)



Power Belt Curves



Powered belt curves are used in applications where positive orientation is critical in applications like baggage handling.



Hinged Steel Belts Conveyors

Model 715



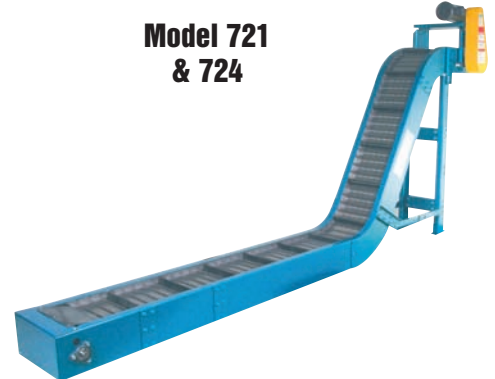
– Light duty, compact chip conveyor.

**Model 722
& 726**



– Light duty chip conveyor.

**Model 721
& 724**



– Standard duty chip conveyor.

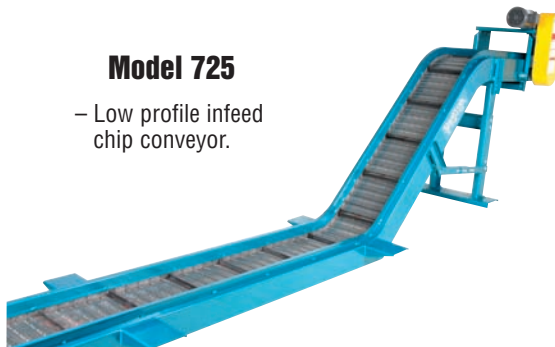
Hinged Steel Belt Comparison Chart

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt fits your application, pay special attention to the unit's **frame depth and cleat height**. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

| MODEL | DESCRIPTION | FRAME GAUGE | FRAME DEPTH | DRIVER SIZE | DRIVER TYPE | DRIVE SHAFT DIA. | IDLER SIZE | IDLER TYPE | IDLER SHAFT DIA. | STANDARD CARRIER | STD. DRIVE | OTHER |
|------------|---|-------------|------------------|--------------------|----------------|--------------------|--------------------|----------------|--------------------|---|------------|--|
| 715 | Light duty – 1-1/2" pitch chip conveyor | 14 | 4.125" | 10 tooth | 4.854 pd | 1.1875" | 1.375" OD | Hub | .75" | 14ga aprons, 5/8" cleats on 12" centers | Top | Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge |
| 720 723 | Medium duty chip conveyor Liquid tight M720 | 12 | 8.5" | 6 tooth | 5" pd | 1.6875" | 6 tooth | 5" pd | 1.1875" | 12ga aprons, 1-3/8" cleats on 12-1/2" centers | Top | 720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721 |
| 721 724 | Standard duty scrap conveyor Liquid tight M721 | 12 | 8.5" | 6 tooth | 5" pd | 1.4375" | 6 tooth | 5" pd | 1.1875" | 12ga aprons, 1-3/8" cleats on 12-1/2" centers | Top | Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high |
| 722 726 | Light duty chip conveyor Liquid tight M722 | 12 | 6.625" | 5 tooth | 4.25" pd | 1.1875" | 5 tooth | 4.25" | 1.1875" | 12ga aprons, 7/8" cleats on 12-1/2" centers | Top | Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high |
| 725 | Low profile infeed chip conveyor | 12 | 5.375" | 5 tooth | 4.25 pd | 1.1875" | 1.75" OD | Hub | .75" | 12ga aprons, 7/8" cleats on 12-1/2" centers | Top | Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high |
| 727 | Tapered infeed cold header conveyor | 12 | 6.625" | 5 tooth | 4.25 pd | 1.1875" | 5 tooth | 4.25" | 1.1875" | 12ga aprons, 5/8" cleats on 12-1/2" centers | Top | Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8" |
| 751 750 | 4" pitch HSB Hvy drive shaft M751 | 10 10 | 15.25" 15.25" | 6 tooth 6 tooth | 8" pd 8" pd | 1.9375" 2.9375" | 6 tooth 6 tooth | 8" pd 8" pd | 1.6875" 1.9375" | 7ga aprons, 2-3/8" cleats on 24" centers | Top | M750 Takeup at Infeed M751 Takeup at Drive |
| 760 | 6" pitch hinged steel belt | Channel | 23.25" | 6 tooth | 12" pd | 3.4375" | 6 tooth | 12" pd | 2.9375" | 1/4" aprons, 4" cleats on 48" centers | Top | Heavy duty hinged steel belt applications |

Model 725

– Low profile infeed chip conveyor.



Model 727

– Tapered infeed cold header conveyor.



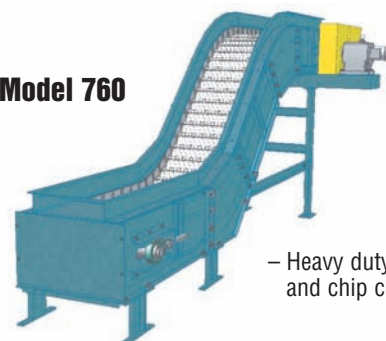
**Model 751
& 750**

– Heavy duty chip & scrap conveyor.

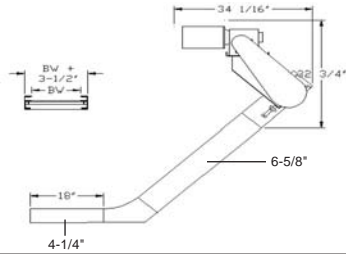


Model 760

– Heavy duty scrap and chip conveyor.



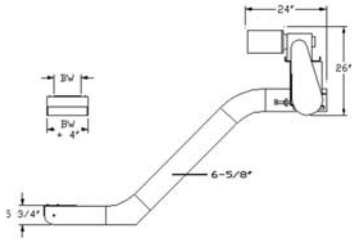
Hinged Steel Belt Summary



Model 715

Application Summary

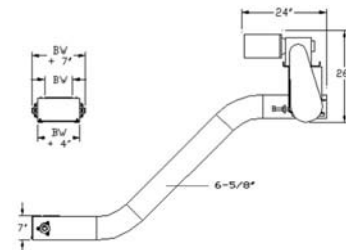
- Very low profile
- Very small and lightweight applications



Model 725

Application Summary

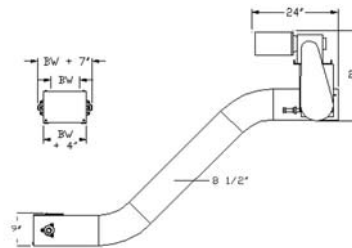
- Low profile
- Tight fit lightweight applications



Model 722 & Model 726

Application Summary

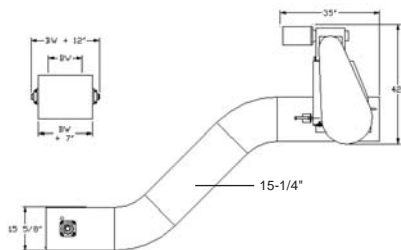
- Tight fit applications
- Small scrap conveyor (scrap less than 1/4" x 1/4" conveyor)



Model 721 & Model 724

Application Summary

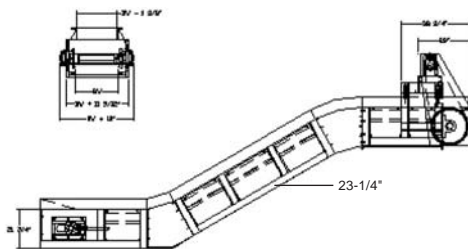
- The industry's most economical and dependable scrap conveyor



Model 751

Application Summary

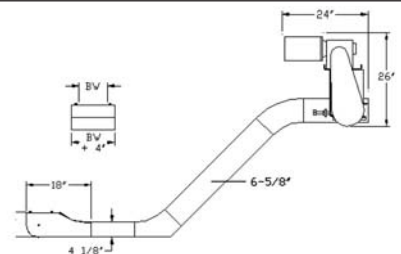
- Heavier scrap with high volumes



Model 760

Application Summary

- Heavy scrap and high volumes



Model 727

Application Summary

- Cold header conveyor
- Designed to fit into an existing machine

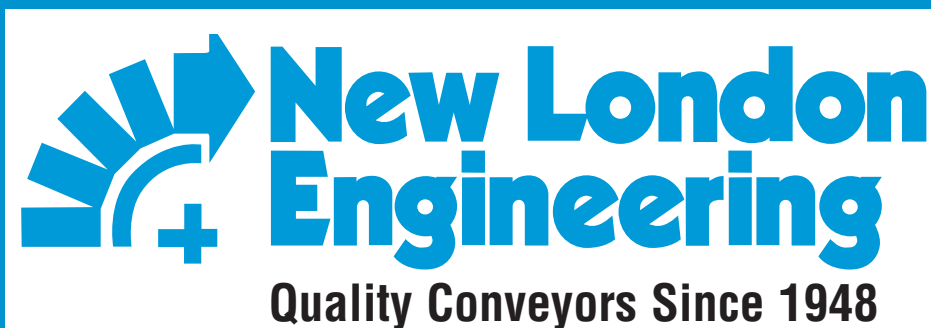


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| MODEL | 721 | 722 | 200 | 210 | 220 | 500 | ToughTrak |
|---------------|--|--|---|--|---|--|---|
| SHIPMENT | 3-5 Days | 3-5 Days | 24 Hours | 24 Hours | 24 Hours | 24 Hours | 48 Hours |
| WIDTHS | 6, 8, 12, 18, 24" | 6, 8, 12, 18, 24" | 4, 6, 8, 10, 12, 18, 24, 30" | 8, 12, 18, 24, 30" | 12, 18, 24, 30, *36" <i>*36" – 20' max.</i> | 4, 6, 8, 12, 18, 24" | 4, 6, 8, 12, 18, 24" |
| LENGTHS | 20' maximum Degree Curves 30, 45 & 60 | 20' maximum Degree Curves 30, 45 & 60 | 5' – 40' | 5' – 100' | 5' – 100' | 4' – 12' | 2' – 10' End Drives Only |
| SPEEDS | Fixed 30, 45 & 60 FPM DC Variable - 1.5-30, 2.25-45 & 3-60 FPM | Fixed 30, 45 & 60 FPM DC Variable - 1.5-3.0, 2.25-45, 3-60 FPM | Fixed 30, 60, 90 & 120 FPM DC Variable - 1.5-30, 3-60, 4.5-90 & 6-120 FPM | Fixed 30, 60, 90 & 120 FPM DC Variable - 1.5-30, 3-60, 4.5-90 & 6-120 FPM | Fixed 30, 60, 90 & 120 FPM DC Variable - 1.5-30, 3-60, 4.5-90 & 6-120 FPM | Fixed 30, 60 & 90 FPM DC Variable - 1.5-30, 3-60, 4.5-90 & 6-120 FPM | *150–1 Phase 1/6 HP @ 28, 57 *150–3 Phase 1/4 HP @ 29, 58 *150–90V 1/6 HP @ 30, 59 *250–1 & 3 Phase 1/3 HP @ 30, 60 *250–90V 1/4 @ 30,60 1/2 @ 30,60 *150 & 250 DC Variable - 1.5-30, 30-60 FPM |
| MOTORS | 1 & 3 phase 1/2, 3/4, 1 & 1-1/2 HP 90 V DC - 1/2 & 3/4 HP | 1 & 3 phase 1/2, 3/4, 1 & 1-1/2 HP 90 V DC - 1/2 & 3/4 HP | 1 & 3 phase 1/3, 1/2, 1* & 3/4 HP *1 HP in all but 30 FPM 90 V DC - 1/4, 1/2 & 3/4 HP | 1 & 3 phase 1/3, 1/2, 1* & 3/4 HP *1 HP in all but 30 FPM 90 V DC - 1/4, 1/2 & 3/4 HP | 1 & 3 phase 1/3, 1/2, 1* & 3/4 HP *1 HP in all but 30 FPM 90 V DC - 1/4, 1/2 & 3/4 HP | 1 & 3 phase 1/3, 1/2, 1* & 3/4 HP *1 HP in all but 30 FPM 90 V DC - 1/4, 1/2 & 3/4 HP | |
| DRIVES | Top mount & side mount R or L side | Top mount & side mount R or L side | Bottom mount – R or L side or center drive and take-up | Bottom mount – R or L side or center drive and take-up | Bottom mount – R or L side or center drive and take-up | Top mount – R or L side | 150 – Shaft Mt Right Angle (#15) 250 – Bottom Mt. Right Angle (#23) |
| BELTS | Conventional or flat top (plain, pimpled or perforated) | Conventional or flat top (plain, pimpled or perforated) | Black PVC 120 (#65) 4", 6", 8", 10", 12", 18", 24", 30" Blk Rubber Rough Top (#47) 8", 12", 18", 24", 30" 2 Ply Green Urethane (#249) 4", 6", 8", 12", 18", 24" | Black PVC 120 (#65) 8", 12", 18", 24", 30" Blk Rubber Rough Top (#47) 8", 12", 18", 24", 30" 2 Ply Green Urethane (#249) 8", 12", 18", 24" | Black PVC 120 (#65) 12", 18", 24", 30", 36" Blk Rubber Rough Top (#47) 12", 18", 24", 30" 2 Ply Green Urethane (#249) 12", 18", 24" | Black PVC 120 with 1-1/2" high cleats on 12" centers | Black PVC 70 (#251) 4", 6", 8", 12", 18", 24" 2 Ply Green Urethane (#249) 4", 6", 8", 10", 12", 18", 24" |
| SUPPORTS | 0-73" BOF | 0-73" BOF | TOB minimum 20" maximum 48" | TOB minimum 20" maximum 48" | TOB minimum 20" maximum 48" | TOB minimum 20" maximum 48" | TOB minimum 20" maximum 48" |
| CASTERS | 4 & 6" diameter Rigid & Swivel | 4 & 6" diameter Rigid & Swivel | 4 & 6" diameter Rigid & Swivel | 4 & 6" diameter Rigid & Swivel | 4 & 6" diameter Rigid & Swivel | 4 & 6" diameter Rigid & Swivel | 3-1/4" diameter Rigid & Swivel |
| SIDERAILS | Vertical Rails 2, 3-1/2 & 6" | Vertical Rails 2, 3-1/2 & 6" | Vertical Rails 1-1/2, 3-1/2 & 6" | Vertical Rails 1-1/2, 3-1/2 & 6" | Vertical Rails 1-1/2, 3-1/2 & 6" | Vertical Rails 3-1/2 & 6" | 1" & 2" Vertical 1" & 2" Flared |
| OTHER OPTIONS | Impact bars, standard cleats, radial sidewings, outside sidebars and bolt-on | Impact bars, standard cleats, radial sidewings, outside sidebars and bolt-on | bottom pan | bottom pan | | Bolt-on bottom pan & standard infeed hopper | M150 Gearmotors – 1.5-30 FPM – 1/12 HP (#100581A2) (#100581A3) – 30-60 FPM – 1/6 HP (#100582A2) (#100582A3) |
| CONTROLS | Manual Starter @ 120/1/60 w/O.L. Protection and Start/Stop (#1091202) | | Manual Snap Switch @ 120/1/60 w/O.L. Protection (#10912.15) | | Magnetic Non-reversing Starter @ 240 or 480/3/60 w/O.L. Protection with Start/Stop Push Button 240V – (#100382) 460V – (#100383) | | Magnetic Reversing Starter @ 240 or 480/3/60 w/O.L. Protection with Start/Stop/Reverse Push Buttons 240V – (#100386) 460V – (#100387) |

Electrical controls on UPTIME Express™ equipment orders are shipped loose. Mounting and wiring of electric controls require an additional 24 hours.

CUSTOM AND STANDARD CONVEYORS

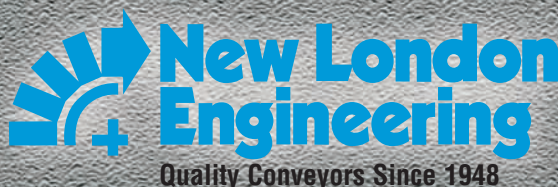
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