span//track

THE

ORIGINAL

CARTON FLOW

TRACK

Engineered Space Optimization

Maximize productivity and space

SpanTrack is UNEX's innovative carton flow solution that drops into existing structures to create a robust flow system for any operation. Our full-width roller lanes and universal wheel beds are engineered-to-order to create the ultimate order picking environment.

Benefits

Versatility
SpanTrack can be added to any new or existing pallet rack. No shelves or intermediate support required.

Superior Flexibility
SpanTrack provides the flexibility to store products with a wide variation in size and weight.

High Capacity, Durability
SpanTrack takes the abuse of active warehouses and assembly plants.

Unrivaled Flow
SpanTrack provides maximum carton support and up to 300% more product contact than plastic wheel rails, resulting in better flow, fewer hang-ups, and increased throughput.

Typical Configurations

Full Case Picking

Low Profile SpanTrack drops into existing pallet rack, creating FIFO storage lanes that are ideal for full case picking.

Split Case Picking

SpanTrack with adjustable pick trays presents open cases to order pickers so product can be picked from the case without interference from the shelf level above.

SPECIALIZED STORAGE SOLUTIONS INC

NEW & USED EQUIPMENT

Full-width roller and wheel bed comparison

SpanTrack Lane and Wheel Bed Shared Features

- Drop-in design for easy installation
- Freezer/cooler rated to below zero
- Light, standard, and heavy duty capacity choices
- Knuckled end treatment for improved ergonomic each picks
- Customizable end treatments that attach easily to any pallet rack setup
- Interior notching saves vertical space
- Available in to-the-inch increments
- 7-year warranty

7 YEAR WARRANTY

SpanTrack Lane Features

- Provides 300% more product contact than plastic wheel
- Integrated label holder system
- Optimized for product stacking
- The original carton flow track

SpanTrack Wheel Bed Features

- Maximum flexibility left-to-right for reslotting
- Shark fin infeed guides ease replenishment
- Hex hub wheel design for optimal flow
- The latest innovation from UNEX

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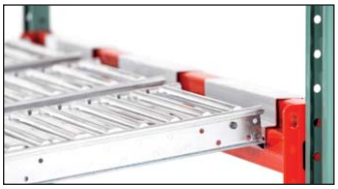
End styles



Low Profile (S2)
Nests between beams on hangers for maximum use of vertical space. Used for full case or each pick. Perfect for racks with pallet storage above.

Hangerless (S9)
Adjustable length track sits on the ledge of step beams in the front and rear, keeping the face of the beams clear.

Low Profile Knuckle (KLx)
12", 16", 20", and 24" long 20° angled front end for increased efficiency in each pick applications within the rack structure.

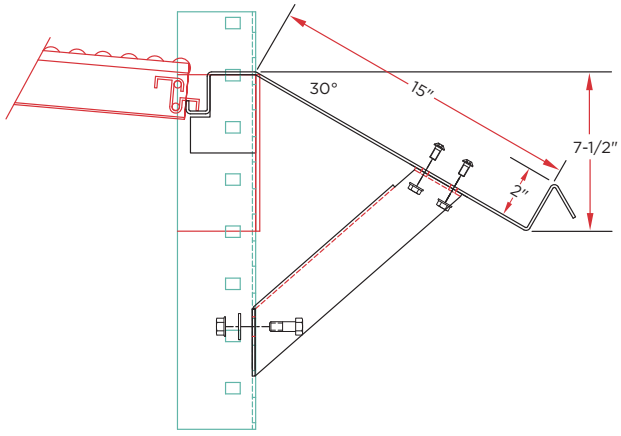
Pushback (S4)
Notched track sits on top of step beams, with stops on front and rear, making it ideal for applications where product is loaded and picked from the front.

High Profile (SO)
Rests on rack beams. Easily adjusts for various contouring options. Can overhang structure to increase storage capacity.

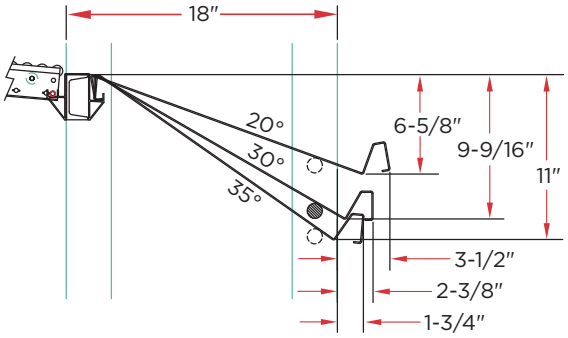
High Profile Knuckle (Kx)
Rests on rack beams. Overhangs structure up to 24" with 20° angled front end for increased efficiency in each pick applications.

Each Pick Options

ADD-ON PICK TRAY: 12", 15" DEPTH / 2" LIP / UP TO 96" WIDE



ADJUSTABLE PICK TRAY: 18", 24" DEPTH / 2" OR 4" LIP

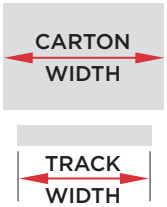


Part Number Example - SpanTrack

98	S2	R or W	6	2	x79
SERIES	END STYLE	ROLLER TYPE	TRACK WIDTH	ROLLER CENTERS	LENGTH

Selecting the Correct Track Width

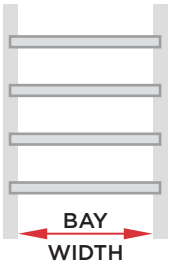
SpanTrack Lane Width Guide



SpanTrack Lane is available in 6 different widths at varying capacities. Product width will be the primary factor in determining lane width. Product can overhang the lane, up to 3" on either side and maintain flow.

SpanTrack Width	Maximum Carton Width
6"	8"
9"	13-1/2"
12"	18"
15"	22-1/2"
18"	25-1/2"
24"	31-1/2"

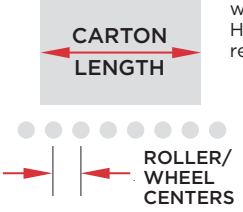
SpanTrack Wheel Bed Width Guide



SpanTrack Wheel Bed Widths are determined by the best track combination that fits within the width of the racking. Example: for a 96" wide bay, you can use (4) 18" wide beds & (2) 12" wide beds. This will create a 96" wide level of carton flow.

SpanTrack Wheel Bed Width	OAW	Series
12"	11.7"	98, 99
18"	17.7"	98, 99
12"	11.75"	100
15"	14.75"	100
18"	17.75"	100
24"	23.75"	100

98/99 Series Roller/Wheel Centers Guide



Roller/Wheel Centers refers to the spacing within the section. As product increases in length, additional space can be added between rollers/wheels. *Other factors* like humidity, condition of box, bottom surface of tote, weight of box, and more need to be considered. Having closer centers can increase flow reliability with these *other factors*.

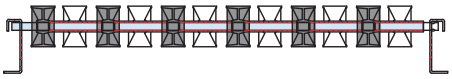
Minimum Carton Length	Maximum Roller Center
4"	1"*
8"	2"
12"	3"

*Lane only

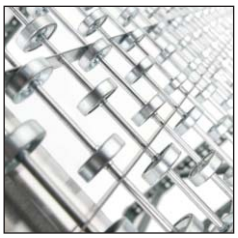
Flow options

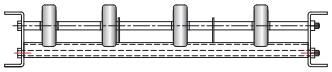
0.75" Roller is available in aluminum (R) and ***steel (SR)***.
98 & 99 series

1.38" Roller (JRS)
is made of galvanized steel with bearings.
100 series



1.6" Hex Hub (W)
Patent pending low friction wheel bed design
98 & 99 series





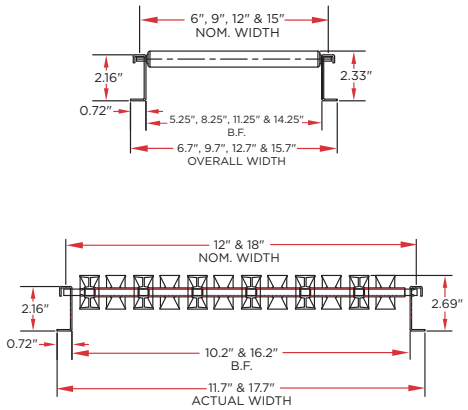
1.9" Skatewheel (SW)
is available in steel and each wheel has a bearing.
100 series

SpanTrack Capacities

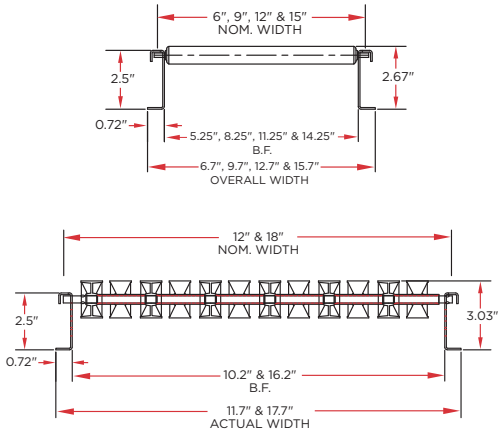
UNSUPPORTED SPAN (in)	LIGHT DUTY 98 Series (2-5/32") 6", 9", 12", 15", 18"* Roller – Lane (lbs/linear ft) Wheel – Bed (lbs/sq ft)	STANDARD DUTY 99 Series (2-1/2") 6", 9", 12", 15", 18"* Roller – Lane (lbs/linear ft) Wheel – Bed (lbs/sq ft)	HEAVY DUTY 100 Series (2-1/2") 9", 12", 15", 18", 24" Roller – Lane (lbs/linear ft)	100 Series (2-1/2") 12", 15", 18" Wheel – Bed (lbs/sq ft)	100 Series (2-1/2") 24" Wheel – Bed (lbs/sq ft)
36	35	50	100	100	100
48	35	50	100	100	100
60	35	50	100	100	100
72	35	50	100	100	85
84	35	50	100	100	75
90	35	45	100	100	65
96	30	40	100	80	55
102	25	35	90	70	45
108	20	30	75	55	40
114	15	25	65	50	35
120	10	20	55	40	30
126			50	40	25
132			40	30	20
138			35	25	20
144			30	25	15

*Bed only

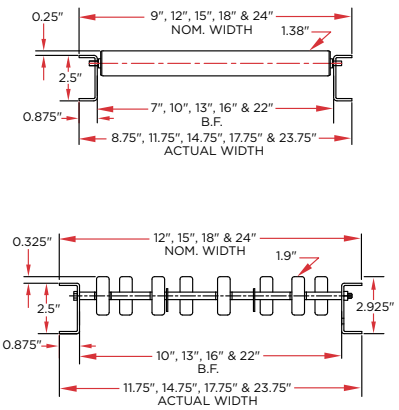
98 SERIES – LD



99 SERIES – SD



100 SERIES – HD



Accessories & options

Impact/Slow Down Plate
Steel impact plates snap over rollers or wheels at **load end** for impact or at **pick end** for friction slow down

Impact Zone
Impact zones have added rollers to the first 12" or 18" of the load end of the track

Raised Pressure Relief Ramp Stop
Relieves line pressure on the first case, creating an easier pick

Slow Down Strips
Narrow strips snap onto rollers for precise flow modulation

Infeed Guides – Lane
Bolts onto the side channel, designating the location of the pick facing

Infeed Guides – Wheel Bed
"Shark fin" design snaps onto axles, guiding product replenishment

Label Holders
Self-adhesive backed extruded plastic label holder

Guard Rail – Lane
Guard rails that bolt onto the side of the track. 4 spacer widths available with in- or out-flange configuration.

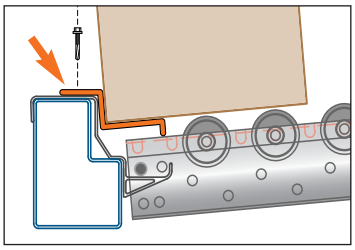
Guide Rail – Wheel Bed
Aluminum extrusion, full back-to-front guide securely snaps over wheels to create lanes. Easily installed without tools.

Internal Notch
Accommodates an infinitely adjustable interior support beam to minimize clearance

Rigid Splice
For splicing two square end tracks

Low Profile Bridge Splice
For splicing two notched end tracks for vertical space savings

Swing Stop
Stop that operator lowers when accessing product



Product Stability Support
Use when product is shorter than recommended or has a very high center of gravity. Stabilizes product at the pick end.

Keg Flow
An innovative solution for high density storage of microbrew kegs
For more information, see the *Keg Flow Literature.*

The SpanTrack Advantage

- **Increased facings**
- **Full-depth storage**
- **Safe, ergonomic picks**
- **Product always up front**
- **Easy to restock**
- **FIFO stock rotation**

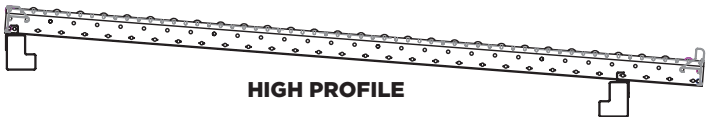
span//track 98/99 SERIES

INSTALLATION GUIDE

For detailed video installation instructions, please go to: www.unex.com/resources/video-library

This installation guide shows how to install Low Profile, High Profile and Hangerless Span-Track into pallet rack. Pick Tray, Rigid Splice and Bridge Splice installation is included inside.

LOW PROFILE

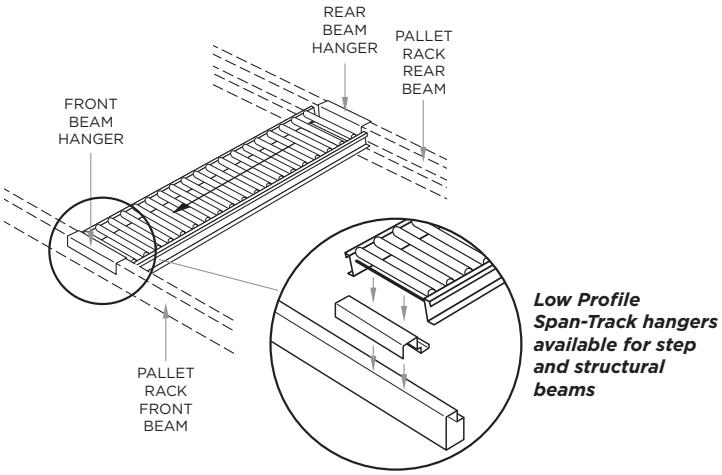


HIGH PROFILE

LOW PROFILE
WITH PICK TRAY

HANGERLESS

Straight sections of Low Profile Span-Track install between pallet rack beams. Install the first level of track following the steps listed below, test for pitch, then repeat.



Low Profile Span-Track hangers available for step and structural beams

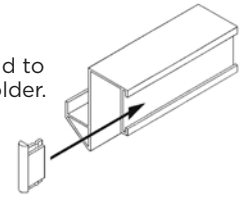
1 SET BEAMS

Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth.

2 ADD LABELS AND END CAPS TO HANGERS (If applicable)

Slip ID labels into slots and snap on end caps.

END CAPS
(included)
2 per hanger, add to sides of label holder.

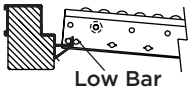


REPLACEABLE PRODUCT ID LABELS
(included)
Insert into built-in labelholders of hangers.

3 ADD HANGERS & TRACK

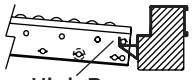
Place one set of hangers on front & rear beams - do not force or hammer hangers onto beams. Note that front of track has a high hanger bar and rear of track has a low hanger bar (see diagrams). Place track in position on hangers.

REAR



Low Bar

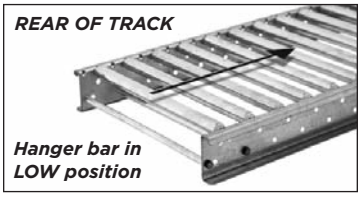
FRONT



High Bar

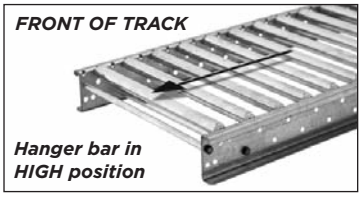
Rollers at front of track should be lower than top of beam, which acts as a stop.

REAR OF TRACK



Hanger bar in LOW position

FRONT OF TRACK



Hanger bar in HIGH position

4 TEST PITCH

Test installed track section for product flow to determine if rear beam needs readjustment for effective pitch.

IMPORTANT: Track section to be tested should be loaded and allowed to sit for 24 hours. Then remove cartons at pick face and check resulting flow. This is the most reliable way to ensure proper flow for your particular products and storage environment.

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LOW PROFILE PICK TRAY INSTALLATION GUIDE

For detailed video installation instructions, please go to: www.unex.com/resources/video-library

The full width pick tray requires an 18″ or 24″ pallet rack upright or post extension of an upright. Rack framework must match pick tray sizes of 18″ or 24″ deep.

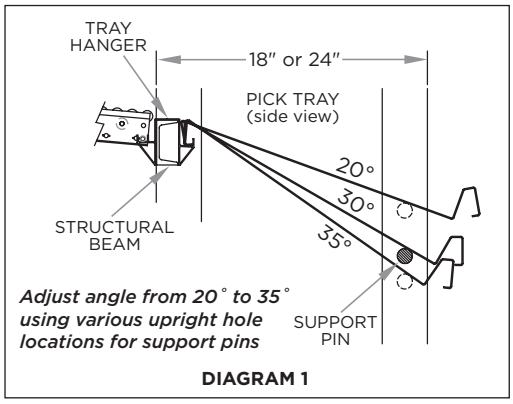
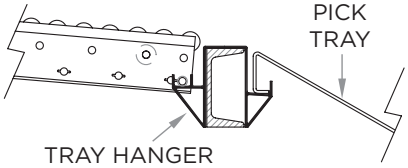


DIAGRAM 1

1 SET BEAMS & PLACE TRAY HANGER

See reverse (step 1) for setting beams. Place bridge hanger on a 3″ - 4.1# structural beam (infinite adjustable not required). Place standard hanger on rear beam. Do not hammer or force hangers.



2 ADD TRACK

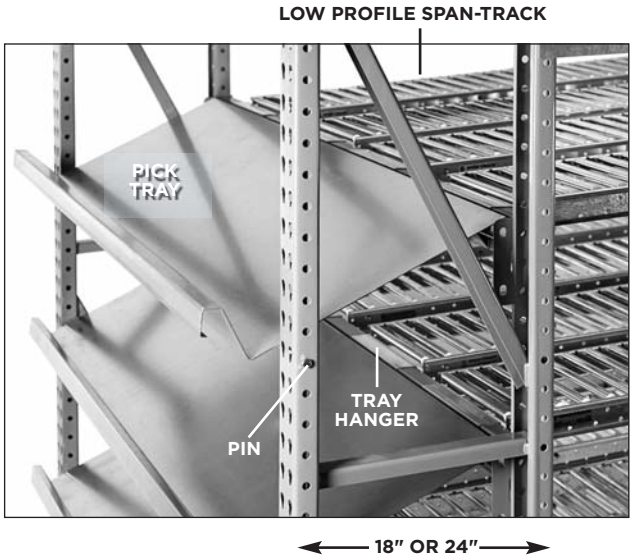
Place Span-Track section in back lips of tray hanger as shown. End roller must not touch hanger. **Install and test one level of track for pitch (see reverse side - step 4).**

3 SET SUPPORT PINS & ADD TRAY

Mount support “pins” through side holes of front upright for desired pick tray angle (see diagram 1). Insert back edge of pick tray into the line of bridge hangers as shown. Underside (flat portion) of pick tray is supported at front by “pins”. **NOTE: Top-heavy products may require shallower angle than indicated in diagram.**

- *Pick tray is 1″ narrower than bay width*
- *Pick tray does not affect the structural integrity of the rack*
- *In standard application, pick tray extends beyond front upright post by a maximum of 3-3/4″ and a minimum of 1″.*

For structural posts, use double or single support brackets.



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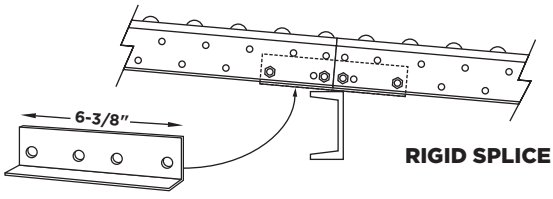
RIGID SPLICE & BRIDGE SPLICE INSTALLATION GUIDE

RIGID SPLICE

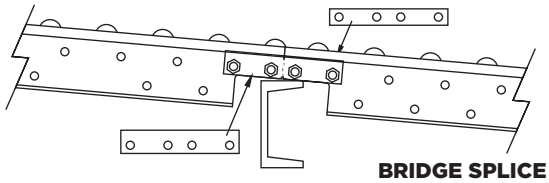
Identify the ends of both tracks that do not have end treatments (hanger bars, stop, impacts). Place angled metal splice bracket behind channel and secure with provided bolts.



RIGID SPLICE

BRIDGE SPLICE

Identify notched ends of tracks that do not have end treatments (stops, impacts, adjustable slider). Place metal bridge splice bar on the face of the channel and secure with provided bolts.


BRIDGE SPLICE

span//track

HIGH PROFILE INSTALLATION GUIDE

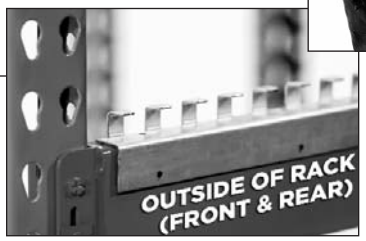
For detailed video installation instructions, please go to: www.unex.com/resources/video-library

Straight and Knuckled high profile Span-Track install ***on*** pallet rack beams. For each type of carton, install the first level of track following the instructions below and test for pitch before installing additional levels.

1 SET BEAMS

Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth.

Retainer angle installs on top outside (aisle side) edge of front and rear beams

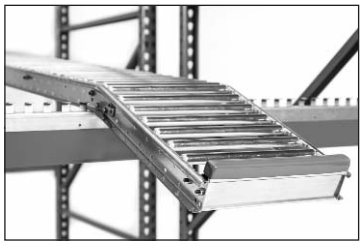


2 ATTACH RETAINERS: SPAN-TRACK LANE

Attach pre-punched retainer angles to outside of front and rear beams using supplied tek screws (screws should be minimum 2 ft. o.c.)

ATTACH RETAINERS: SPAN-TRACK BED

Attach brackets to rear of tracks with supplied 1/4" hardware.



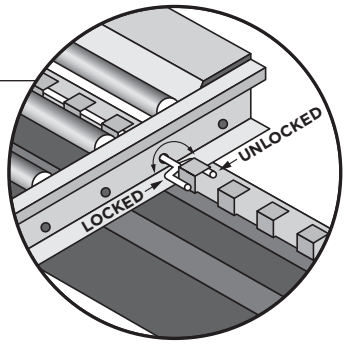
When installing knuckled end Span-Track, angled end of track MUST extend free and clear of front beam. Long, straight part of track should rest between retainer teeth.

3 ADD TRACK: SPAN-TRACK LANE

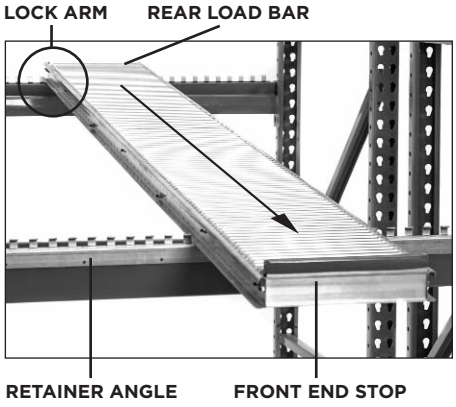
Locate lock arm at infeed end of track (near beam) and (with arm in unlocked position) hook onto teeth of rear retainer for desired front-to-back track position and overhang.* Adjust left-to-right to suit cartons being used. Flip lock arm to locked position.

ADD TRACK: SPAN-TRACK BED

Place track onto beams and secure brackets to beam face with tek screws.



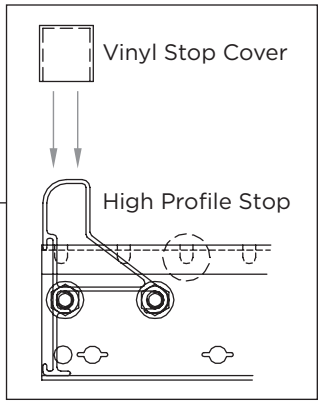
Lock Arm pictured in locked position against retainer, and in unlocked position outside retainer. **NOTE: Lock Arm is repositionable through holes in side channels. Use holes at end of track for track flush with beam. Use other holes if overhang (up to recommended maximum) is desired.*

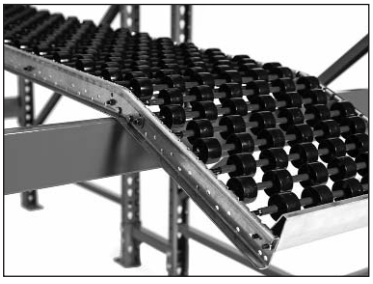


4 TEST PITCH

Test installed track section for product flow to determine if rear beam needs readjustment for effective pitch.

IMPORTANT: Track section to be tested should be loaded and allowed to sit for 24 hours. Then remove cartons at pick face and check resulting flow. This is the most reliable way to ensure proper flow for your particular products and storage environment.





High Profile knuckled Span-Track bed

5 SPAN-TRACK LANE STOP COVER

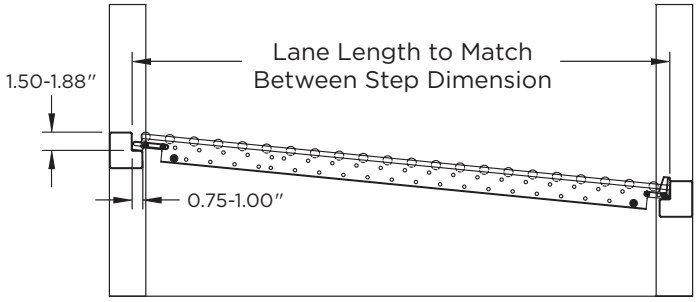
Place the cover over the front stop to prevent cutting hazard. Cover may need to be stretched to fit properly.

span//track 98/99 SERIES — HANGERLESS INSTALLATION GUIDE

For detailed video installation instructions, please go to: www.unex.com/resources/video-library

Hangerless Span-Track can be added to any standard pallet rack with step beams. Track sections are supported by the front and rear step beams. For each type of carton, install the first level of track following the instructions below and test for pitch before installing additional levels.

1 ADJUST BEAMS
Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth. (Example: 4 foot deep rack would require the rear beam to be set 4 inches higher than the front beam).



2 ADD TRACK
Adjust and tighten the two bolts holding the rear extrusion in position such that the track fits snugly between the steps of the step beams.

3 TEST PITCH
Test installed track section for product flow to determine if rear beam needs readjustment for effective pitch.

IMPORTANT: Track section to be tested should be loaded and allowed to sit for 24 hours. Then remove cartons at pick face and check resulting flow. This is the most reliable way to ensure proper flow for your particular products and storage environment.

span//track — PUSHBACK INSTALLATION GUIDE

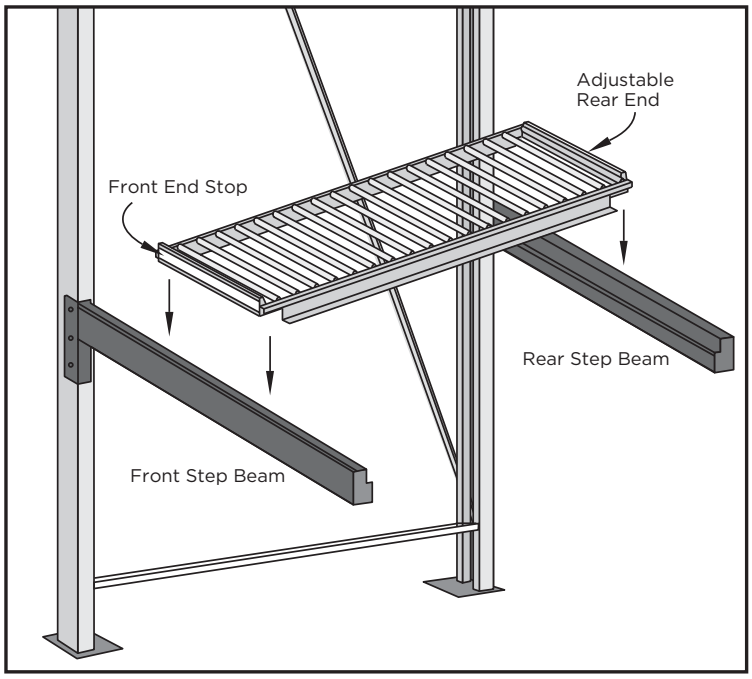
For detailed video installation instructions, please go to: www.unex.com/resources/video-library

1 ADJUST BEAMS
Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth. (Example: 4 foot deep rack would require the rear beam to be set 4 inches higher than the front beam).

2 ADD TRACK
Drop track onto beams

3 TEST PITCH
Test installed track section for product flow to determine if rear beam needs readjustment for effective pitch.

IMPORTANT: Track section to be tested should be loaded and allowed to sit for 24 hours. Then remove cartons at pick face and check resulting flow. This is the most reliable way to ensure proper flow for your particular products and storage environment.

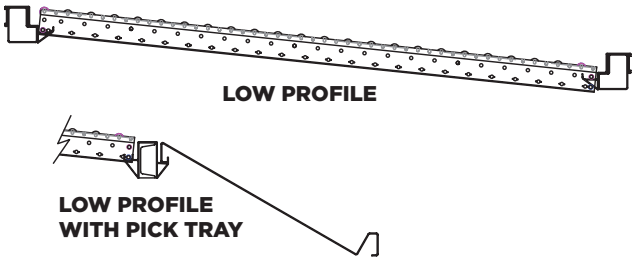


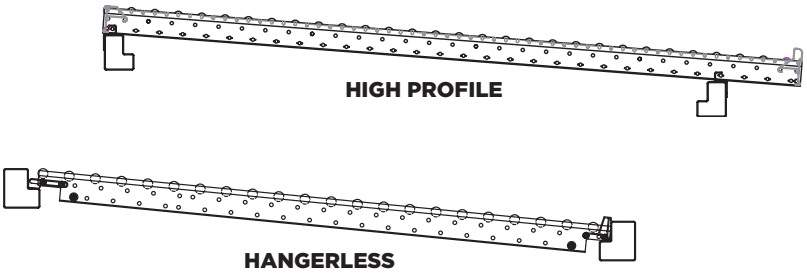
span//track 98/99 SERIES

INSTALLATION GUIDE

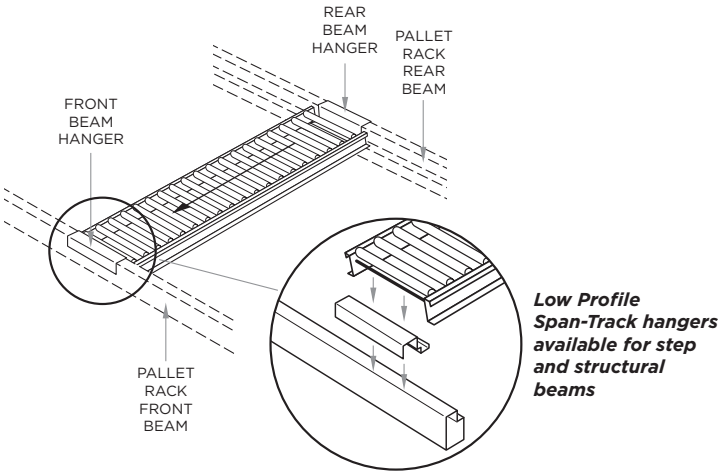
For detailed video installation instructions, please go to: www.unex.com/resources/video-library

This installation guide shows how to install Low Profile, High Profile and Hangerless Span-Track into pallet rack. Pick Tray, Rigid Splice and Bridge Splice installation is included inside.





Straight sections of Low Profile Span-Track install between pallet rack beams. Install the first level of track following the steps listed below, test for pitch, then repeat.



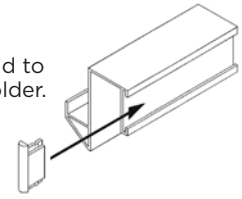
1 SET BEAMS

Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth.

2 ADD LABELS AND END CAPS TO HANGERS (If applicable)

Slip ID labels into slots and snap on end caps.

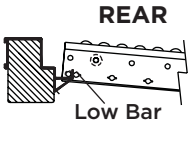
END CAPS
(included)
2 per hanger, add to sides of label holder.

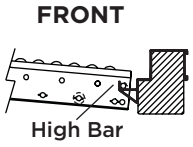


REPLACEABLE PRODUCT ID LABELS
(included)
Insert into built-in labelholders of hangers.

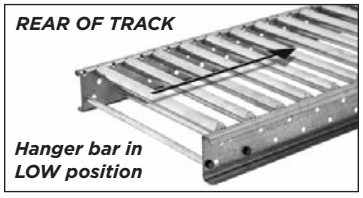
3 ADD HANGERS & TRACK

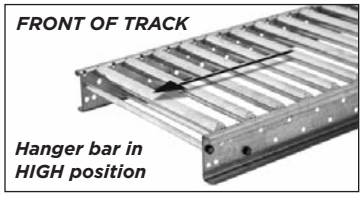
Place one set of hangers on front & rear beams - do not force or hammer hangers onto beams. Note that front of track has a high hanger bar and rear of track has a low hanger bar (see diagrams). Place track in position on hangers.





Rollers at front of track should be lower than top of beam, which acts as a stop.





4 TEST PITCH

Test installed track section for product flow to determine if rear beam needs readjustment for effective pitch.

IMPORTANT: Track section to be tested should be loaded and allowed to sit for 24 hours. Then remove cartons at pick face and check resulting flow. This is the most reliable way to ensure proper flow for your particular products and storage environment.

span//track

LOW PROFILE PICK TRAY INSTALLATION GUIDE

For detailed video installation instructions, please go to: www.unex.com/resources/video-library

The full width pick tray requires an 18″ or 24″ pallet rack upright or post extension of an upright. Rack framework must match pick tray sizes of 18″ or 24″ deep.

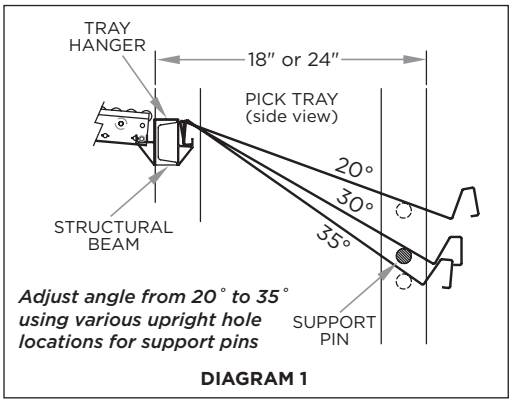
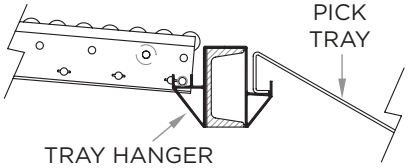


DIAGRAM 1

1 SET BEAMS & PLACE TRAY HANGER

See reverse (step 1) for setting beams. Place bridge hanger on a 3″ - 4.1# structural beam (infinite adjustable not required). Place standard hanger on rear beam. Do not hammer or force hangers.



2 ADD TRACK

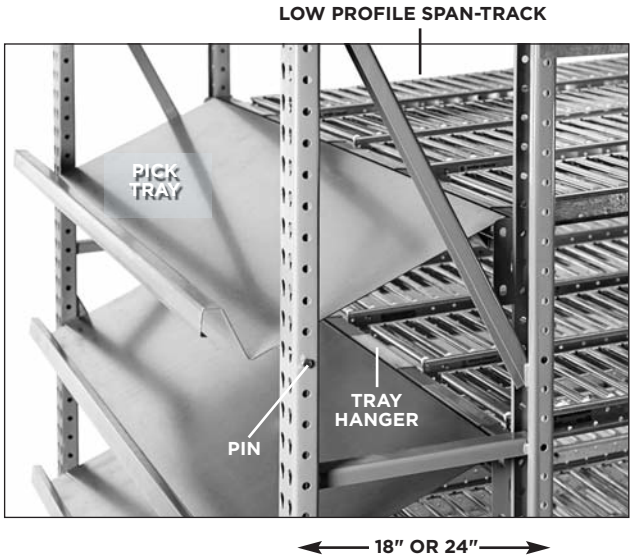
Place Span-Track section in back lips of tray hanger as shown. End roller must not touch hanger. **Install and test one level of track for pitch (see reverse side - step 4).**

3 SET SUPPORT PINS & ADD TRAY

Mount support “pins” through side holes of front upright for desired pick tray angle (see diagram 1). Insert back edge of pick tray into the line of bridge hangers as shown. Underside (flat portion) of pick tray is supported at front by “pins”. **NOTE: Top-heavy products may require shallower angle than indicated in diagram.**

- *Pick tray is 1″ narrower than bay width*
- *Pick tray does not affect the structural integrity of the rack*
- *In standard application, pick tray extends beyond front upright post by a maximum of 3-3/4″ and a minimum of 1″.*

For structural posts, use double or single support brackets.

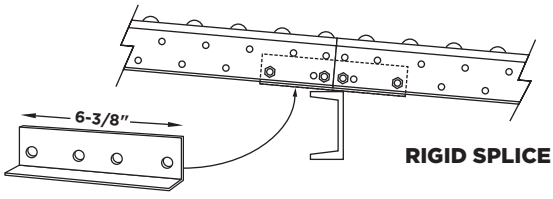


span//track

RIGID SPLICE & BRIDGE SPLICE INSTALLATION GUIDE

RIGID SPLICE

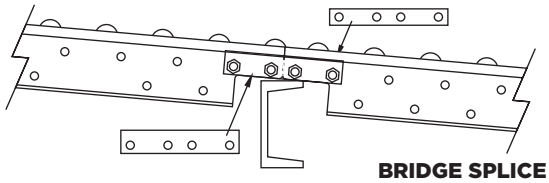
Identify the ends of both tracks that do not have end treatments (hanger bars, stop, impacts). Place angled metal splice bracket behind channel and secure with provided bolts.



RIGID SPLICE

BRIDGE SPLICE

Identify notched ends of tracks that do not have end treatments (stops, impacts, adjustable slider). Place metal bridge splice bar on the face of the channel and secure with provided bolts.


BRIDGE SPLICE

span//track

HIGH PROFILE INSTALLATION GUIDE

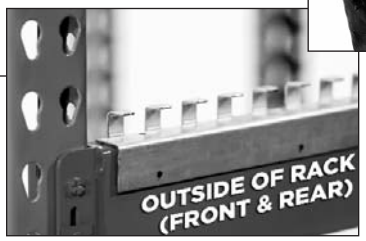
For detailed video installation instructions, please go to: www.unex.com/resources/video-library

Straight and Knuckled high profile Span-Track install ***on*** pallet rack beams. For each type of carton, install the first level of track following the instructions below and test for pitch before installing additional levels.

1 SET BEAMS

Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth.

Retainer angle installs on top outside (aisle side) edge of front and rear beams

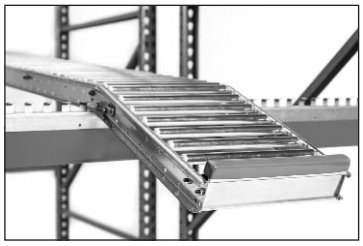


2 ATTACH RETAINERS: SPAN-TRACK LANE

Attach pre-punched retainer angles to outside of front and rear beams using supplied tek screws (screws should be minimum 2 ft. o.c.)

ATTACH RETAINERS: SPAN-TRACK BED

Attach brackets to rear of tracks with supplied 1/4" hardware.



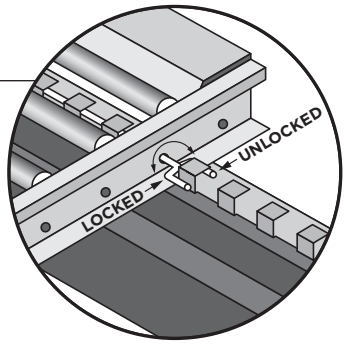
When installing knuckled end Span-Track, angled end of track MUST extend free and clear of front beam. Long, straight part of track should rest between retainer teeth.

3 ADD TRACK: SPAN-TRACK LANE

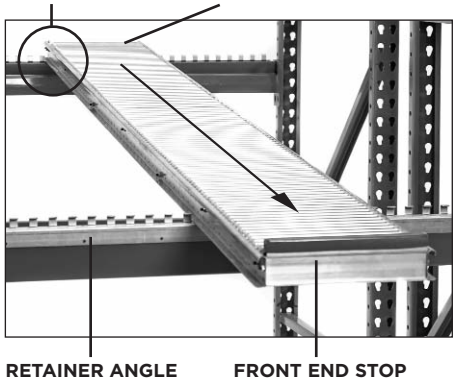
Locate lock arm at infeed end of track (near beam) and (with arm in unlocked position) hook onto teeth of rear retainer for desired front-to-back track position and overhang.* Adjust left-to-right to suit cartons being used. Flip lock arm to locked position.

ADD TRACK: SPAN-TRACK BED

Place track onto beams and secure brackets to beam face with tek screws.



Lock Arm pictured in locked position against retainer, and in unlocked position outside retainer. **NOTE: Lock Arm is repositionable through holes in side channels. Use holes at end of track for track flush with beam. Use other holes if overhang (up to recommended maximum) is desired.*



4 TEST PITCH

Test installed track section for product flow to determine if rear beam needs readjustment for effective pitch.

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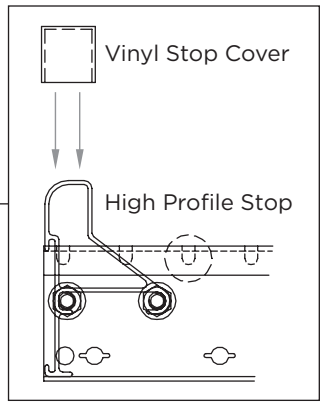
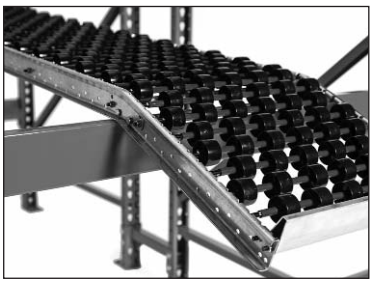




High Profile knuckled Span-Track bed

5 SPAN-TRACK LANE STOP COVER

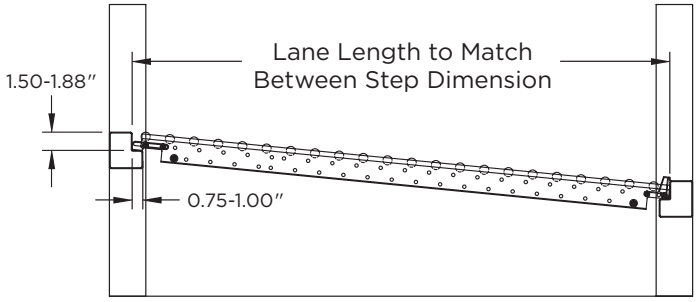
Place the cover over the front stop to prevent cutting hazard. Cover may need to be stretched to fit properly.

span//track 98/99 SERIES — HANGERLESS INSTALLATION GUIDE

For detailed video installation instructions, please go to: www.unex.com/resources/video-library

Hangerless Span-Track can be added to any standard pallet rack with step beams. Track sections are supported by the front and rear step beams. For each type of carton, install the first level of track following the instructions below and test for pitch before installing additional levels.

1 ADJUST BEAMS
Set front pallet rack beam to desired discharge elevation. Set rear beam at higher elevation for flow. Recommended pitch is 1 inch for every 1 foot of rack depth. (Example: 4 foot deep rack would require the rear beam to be set 4 inches higher than the front beam).



2 ADD TRACK
Adjust and tighten the two bolts holding the rear extrusion in position such that the track fits snugly between the steps of the step beams.

3 TEST PITCH
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span//track — PUSHBACK INSTALLATION GUIDE

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