



OUR COMPANY. OUR BRANDS. OUR PRODUCTS.



# It's the Company Behind the Machine that Makes a Difference.

Recognised as the leader in loose loading and unloading material handling solutions, FMH Conveyors manufactures, installs and services a complete range of standard or custom engineered conveyors for applications in distribution, warehousing, sortation, packaging and manufacturing.

With over 20 years of experience, our PowerFlex, BestFlex, BestReach, MaxxReach, and BestConnect brands are known throughout the industry for their superior design, functionality and performance.

Our products are robustly built to deliver lasting conveyor performance in the punishing conditions often associated with shipping and receiving.

We take pride in providing our customers the right product for their application.

We strive to understand all of our customers' needs so the solution provided is the right one for the job.

At FMH Conveyors we have a strong, knowledgeable team demonstrating years of expertise and leadership in material handling, with manufacturing operations in UK and USA.

FMH Conveyors delivers exemplary customer service by providing 24/7, 356 day/year support.

Whether you just need a spare part or need a technician to arrive on-site, we promise to take care of you right away.

FMH Conveyors is a Duravant Company.

## Adapt. Respond. Deliver.



## Gravity Applications

A proven performer for truck loading and unloading. Ideally suited for packaging, shipping and flexible assembly lines. The optional impact support section is available for high impact receiving applications.

- 300 kg capacity per linear metre (level).
- 720 to 1000 mm adjustable conveyor height.
- 450, 600 and 750 mm conveyor widths.
- Available in any length to fit your applications.



## Features

- **Self Tracking** – Cartons follow the path of the conveyor without using engineered curves.
- **Adjustable Height** – Telescopic leg sections are used to raise or lower the conveyor height.
- **Square Tubing Legs** – Heavy duty square tubing legs offer longer service life and stability.
- **32mm Side Plates** – Aluminium alloy construction features a ribbed design for added strength. Assembled with bolts and locking nuts.
- **Structural Steel Support** – Steel channel spans the entire conveyor width for increased strength.
- **Castors with brakes** – 127mm x 38mm swivel castors allow easy movement. Castor brakes lock both wheel and swivel simultaneously while the conveyor is in use.

## Specifications

	Model Number	Standard Lengths (m) Compacted - Expanded	Leg Set Per Unit	Skate Wheels Per Axle	Approx Shipping Weight (kg)
<b>450mm Wide</b>	BF200 - 18 - 12	0.95 - 3.66	4	7	78
	BF200 - 18 - 16	1.26 - 4.88	5	7	103
	BF200 - 18 - 20	1.57 - 6.10	6	7	128
	BF200 - 18 - 24	1.88 - 7.32	7	7	153
<b>600mm Wide</b>	BF200 - 24 - 12	0.95 - 3.66	4	9	90
	BF200 - 24 - 16	1.26 - 4.88	5	9	116
	BF200 - 24 - 20	1.57 - 6.10	6	9	145
	BF200 - 24 - 24	1.88 - 7.32	7	9	174
<b>750mm Wide</b>	BF200 - 30 - 12	0.95 - 3.66	4	10	102
	BF200 - 30 - 16	1.26 - 4.88	5	10	122
	BF200 - 30 - 20	1.57 - 6.10	6	10	153
	BF200 - 30 - 24	1.88 - 7.32	7	10	184

All conveyor products can be modified to suit specific design requirements. Please contact our sales representatives for details on sizes or options that are not listed.

## Performance Options



### Package Stop

Stops cartons at the end of the conveyor and can be dropped down when not needed.



### Axle Centres

In addition to the standard axle centre of 127mm options of 102mm and 76mm are available on request to handle smaller packages.



### 150mm x 50mm Swivel Castors

For easier rolling over uneven surfaces. (Adds 23mm to the conveyor height.)



### Impact Support Section

Offers extra support to handle punishing conditions. Fitted as standard at each end. More are available on request.



### Skate wheels

Available with zinc-plated steel skate wheels for high impact or blue nylon skate wheels for lighter duty applications.



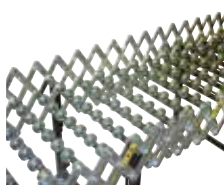
### Perpendicular Legs

Keeps legs vertical in both the expanded and compacted positions for easier mobility and added strength.



### Leg or Axle Connect Brackets

Easily connects two or more conveyors to span greater distances.



### Side Rails

Prevents cartons from running off the conveyor in accumulating applications.

## Gravity Applications

Excellent for handling odd shaped boxes, bags and low grade cartons.

- 220Kg capacity per linear metre (level).
- 762 to 1080mm adjustable conveyor height.
- 450, 600 and 750mm conveyor widths.
- Available in any length to fit your applications.



## Features

- **Self Tracking** – Cartons follow the path of the conveyor without using engineered curves.
- **Adjustable Height** – Telescopic leg sections are used to raise or lower the conveyor height.
- **Square Tubing Legs** – Heavy duty square tubing legs offer longer service life and stability.
- **40mm Side Plates** – Aluminium alloy construction features a ribbed design for added strength. Assembled with bolts and locking nuts.
- **Castors with brakes** – 127mm x 38mm swivel castors allow easy movement. Castor brakes lock both wheel and swivel simultaneously while the conveyor is in use.

## Specifications

	Model Number	Standard Lengths (m) Compacted - Expanded	Leg Set Per Unit	Approx Shipping Weight (kg)
<b>450mm Wide</b>	BFR - 18 - 12	1.25 - 3.66	4	102
	BFR - 18 - 16	1.66 - 4.88	5	132
	BFR - 18 - 20	2.03 - 6.10	6	163
	BFR - 18 - 24	2.40 - 7.32	7	193
<b>600mm Wide</b>	BFR - 24 - 12	1.25 - 3.66	4	109
	BFR - 24 - 16	1.66 - 4.88	5	138
	BFR - 24 - 20	2.03 - 6.10	6	170
	BFR - 24 - 24	2.40 - 7.32	7	200
<b>750mm Wide</b>	BFR - 30 - 12	1.25 - 3.66	4	116
	BFR - 30 - 16	1.66 - 4.88	5	145
	BFR - 30 - 20	2.03 - 6.10	6	177
	BFR - 30 - 24	2.40 - 7.32	7	206

All conveyor products can be modified to suit specific design requirements. Please contact our sales representatives for details on sizes or options that are not listed.

## Performance Options



### Package Stop

Stops cartons at the end of the conveyor and can be dropped down when not needed.



### Axle Centres

In addition to the standard axle centre of 127mm options of 102mm and 76mm are available on request to handle smaller packages.



### 150mm x 50mm Swivel Castors

For easier rolling over uneven surfaces. (Adds 23mm to the conveyor height.)



### Side Guides

Prevents cartons from running off the edges of the conveyor.



### Roller Stop/Connector

Provides a simple mechanical connection between conveyor sections to allow longer lines to be built. This also acts as a drop-down stop at the end of lines.



### Perpendicular Legs

Keeps legs vertical in both the expanded and compacted positions for easier mobility and added strength.

## Driven Applications

Ideally suited for truck loading and unloading, distribution centres, packaging, mobile assembly lines, shipping and receiving.

- 150Kg capacity per linear metre (level).
- 800 to 1100mm adjustable conveyor height.
- 450, 600 and 750mm conveyor widths.
- Available in any length to fit your applications.





## Features

- **Continuous Duty Multiple Drive Motors** – Line speed is adjustable from 0 to 36 metres per minute. Start/Stop controls at both ends.
- **Self Tracking** – Cartons follow the twists and turns of the conveyor path without using engineered curves.
- **Adjustable Height** – Telescopic legs to raise or lower the conveyor bed height.
- **Square Tubing Legs** – Heavy duty square tubing legs offer longer service life and stability.
- **40mm Rollers** – Heavy duty precision bearing rollers on 12 mm axles for greater durability.
- **40mm Side Plates** – Aluminium alloy construction features a ribbed design for added strength. Assembled with bolts and locking nuts.
- **Castors with brakes** – 150mm x 50mm swivel castors roll easily. Castor brakes lock wheels in place while the conveyor is in use.

## Specifications

	Model Number	Standard Lengths (m) Compacted - Expanded	Leg Set Per Unit	Approx Shipping Weight (kg)
<b>450mm Wide</b>	PF15 - 18 - 12	1.25 - 3.66	4	145
	PF15 - 18 - 24	2.44 - 7.32	7	288
	PF15 - 18 - 36	3.63 - 10.97	10	431
	PF15 - 18 - 48	4.82 - 14.63	13	574
<b>600mm Wide</b>	PF15 - 24 - 12	1.25 - 3.66	4	170
	PF15 - 24 - 24	2.44 - 7.32	7	338
	PF15 - 24 - 36	3.63 - 10.97	10	508
	PF15 - 24 - 48	4.82 - 14.63	13	676
<b>750mm Wide</b>	PF15 - 30 - 12	1.25 - 3.66	4	195
	PF15 - 30 - 24	2.44 - 7.32	7	390
	PF15 - 30 - 36	3.63 - 10.97	10	583
	PF15 - 30 - 48	4.82 - 14.63	13	778

All conveyor products can be modified to suit specific design requirements. Please contact our sales representatives for details on sizes or options that are not listed.

## Performance Options

### Optical Electronic Flow Control

Incorporates photo electronics to provide automated flow control giving the user improved ergonomics, reduced labour cost, and improved service life. With options of using diffuse scan, retro reflective or through beam sensors all product shapes and materials can be detected and controlled easily.

### Zero-Pressure Accumulation

Provides a zoned flow control only allowing each package to proceed when the down stream zone is empty. The addition of 'time out' control gives excellent power saving only driving the conveyor as required.

### Electronic Package Stop

The conveyor stops when sensors at the end detect a package is present. This stops delicate packages from being driven into a fixed end and provides power saving control.

### Indexing

The leading edge of a package is detected and starts the conveyor which runs until the trailing edge is detected plus a preset time delay. The conveyor can be utilised as an end of line storage buffer.



### 200mm x 50mm Swivel Castors

For easier rolling over uneven surfaces. Adds 50mm to the conveyor height.



### Roller Stop/Connector

Provides a simple mechanical connection between conveyor sections to allow longer lines to be built.

This also acts as a drop-down stop at the end of lines.



### Axle Centres

In addition to the standard axle centre of 127mm options of 102mm and 76mm are available on request to handle smaller packages.



### Impact Loading Table

A fabricated steel side frame is braced throughout to create an Impact Loading section to handle the increased abuse and wear normally associated with the loading point of a conveyor. Adding this item will significantly prolong the life of this area of a PowerFlex conveyor.



### Side Guides

Prevents cartons from running off the edges of the conveyor.

## Driven Applications

Built tough to handle high use applications. Ideally suited for truck loading and unloading, distribution centres, packaging, mobile assembly lines, shipping and receiving.

- 150Kg capacity per linear metre (level).
- 724 to 946mm adjustable conveyor height.
- 450, 600 and 750mm conveyor widths.
- Available in any length to fit your applications.



## Features

- **Continuous Duty Multiple Drive Motors** – Line speed is adjustable from 0 to 36 metres per minute. Start/Stop controls at both ends.
- **Self Tracking** – Cartons follow the twists and turns of the conveyor path without using engineered curves.
- **Adjustable Height** – Telescopic legs to raise or lower the conveyor bed height.
- **Square Tubing Legs** – Heavy duty square tubing legs offer longer service life and stability.
- **50mm Rollers** – Heavy duty precision bearing rollers on 12 mm axles for greater durability.
- **50mm Side Plates** – Aluminium alloy construction features a ribbed design for added strength. Assembled with bolts and locking nuts.
- **Castors with brakes** – 200mm x 50mm swivel castors roll easily. Castor brakes lock wheels in place while the conveyor is in use.

## Specifications

	Model Number	Standard Lengths (m) Compacted - Expanded	Leg Set Per Unit	Approx Shipping Weight (kg)
<b>450mm Wide</b>	PF19 - 18 - 12	1.58 - 3.66	4	168
	PF19 - 18 - 24	3.11 - 7.32	7	335
	PF19 - 18 - 36	4.63 - 10.97	10	501
	PF19 - 18 - 48	6.16 - 14.63	13	669
<b>600mm Wide</b>	PF19 - 24 - 12	1.58 - 3.66	4	186
	PF19 - 24 - 24	3.11 - 7.32	7	372
	PF19 - 24 - 36	4.63 - 10.97	10	558
	PF19 - 24 - 48	6.16 - 14.63	13	744
<b>750mm Wide</b>	PF19 - 30 - 12	1.58 - 3.66	4	204
	PF19 - 30 - 24	3.11 - 7.32	7	408
	PF19 - 30 - 36	4.63 - 10.97	10	612
	PF19 - 30 - 48	6.16 - 14.63	13	816

All conveyor products can be modified to suit specific design requirements. Please contact our sales representatives for details on sizes or options that are not listed.

## Performance Options

### Optical Electronic Flow Control

Incorporates photo electronics to provide automated flow control giving the user improved ergonomics, reduced labour cost, and improved service life. With options of using diffuse scan, retro reflective or through beam sensors all product shapes and materials can be detected and controlled easily.

### Zero-Pressure Accumulation

Provides a zoned flow control only allowing each package to proceed when the down stream zone is empty. The addition of 'time out' control gives excellent power saving only driving the conveyor as required.

### Electronic Package Stop

The conveyor stops when sensors at the end detect a package is present. This stops delicate packages from being driven into a fixed end and provides power saving control.

### Indexing

The leading edge of a package is detected and starts the conveyor which runs until the trailing edge is detected plus a preset time delay. The conveyor can be utilised as an end of line storage buffer.



### 200mm x 50mm Swivel Castors

For easier rolling over uneven surfaces. Adds 50mm to the conveyor height.



### Roller Stop/Connector

Provides a simple mechanical connection between conveyor sections to allow longer lines to be built.

This also acts as a drop-down stop at the end of lines.



### Axle Centres

In addition to the standard axle centre of 127mm options of 102mm and 76mm are available on request to handle smaller packages.



### Impact Loading Table

A fabricated steel side frame is braced throughout to create an Impact Loading section to handle the increased abuse and wear normally associated with the loading point of a conveyor. Adding this item will significantly prolong the life of this area of a PowerFlex conveyor.



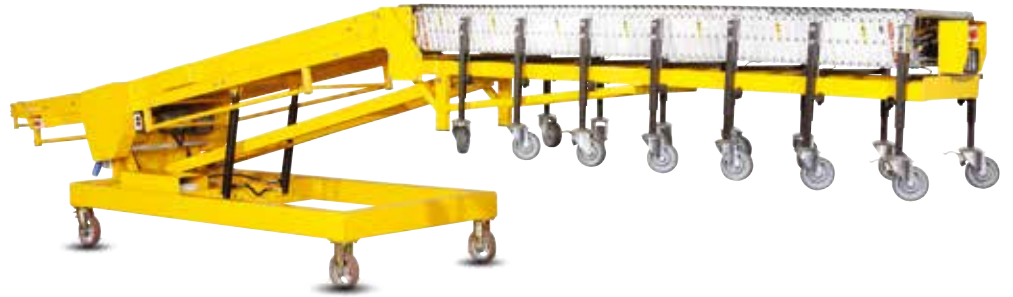
### Side Guides

Prevents cartons from running off the edges of the conveyor.

## Dockless Loading

Mobile loaders are designed specifically for use in premises without a raised loading dock, which makes it ideal for loading vans and other smaller vehicles. Using this unit makes your vehicle loading/unloading operation faster, safer and more efficient, and helps you comply with manual handling regulations.

- 50 kg capacity per linear metre.
- 600mm belt widths as standard.
- 20m/min belt speed. Variable speed drives are available on request.
- Variable height at low level for manual handling or joining to another conveyor.
- Variable tongue height for use in any vehicle type.

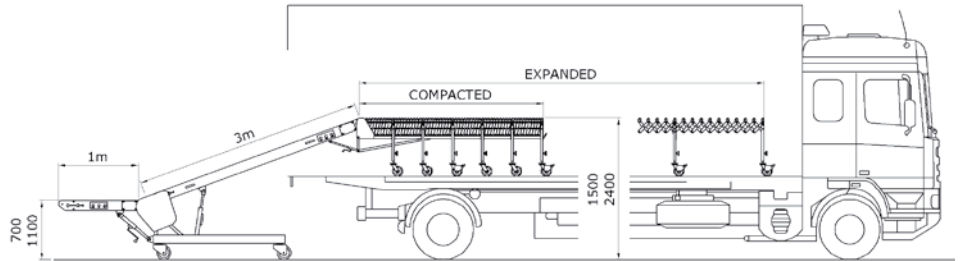


## Features

- **Construction** – Heavy duty construction and supporting frame work make Best Mobile Loaders one of the most robust units of its type on the market.
- **Shrouded Buttons** – To limit the damage to emergency stops, Best Conveyors add fabricated steel shrouds to the exposed emergency stop buttons.
- **Fully Guarded** – All moving or rotating parts are fully guarded to prevent entrapment and injury.
- **Mobile** – BestLoader units are fully mobile utilising  $\varnothing 200\text{mm}$  heavy duty castors.
- **Power** – BestLoaders are normally powered via a simple 240Vac plug connection. 110Vac and 415Vac versions are available. Each unit comes with ancillary sockets to power adjoining flexible conveyors.

## Specifications

Conveyor Type	Expanded	Compacted
BFVL - 24 - 24	7.32 m	1.88 m
BFVL - 24 - 32	9.75 m	2.50 m
PFVL - 24 - 24	7.32 m	2.44 m
PFVL - 24 - 28	8.53 m	2.83 m



## Performance Options



### Powered Hydraulic Lift

Best Mobile Loaders are available with either powered or hand operated hydraulics.

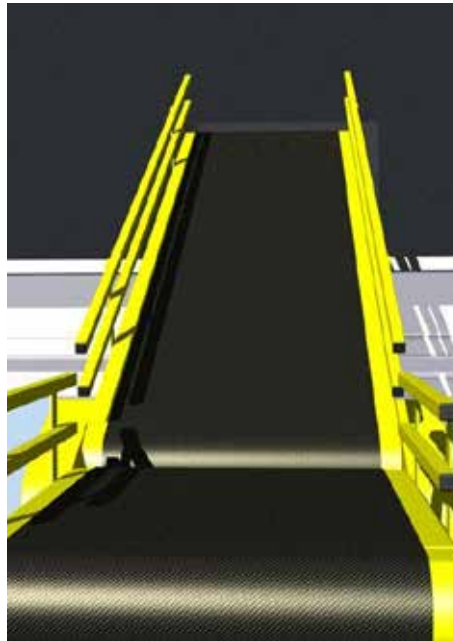
### Brake Motors

Normally required when heavier packages are to stop on the inclined belt, the brake motor will prevent free movement when the conveyor is in a stop condition.



### End Light

The powered conveyor tongue can be supplied with a halogen light fitted to the end.



### Side Guides

To prevent smaller items from falling from the side of the conveyor it is possible to fit side guide to the inclined section of the unit.



### Optics Package Stop

The conveyor stops when sensors at the end detect a package is present. This stops delicate packages from being driven into a fixed end and provides power saving control.



### Powered or Gravity

The associated flexible conveyors can be either powered roller, non-powered roller or skate wheel configurations.

## Truck Loading

BestReach Telescopic Boom Conveyors will transport items quickly, safely and efficiently by extending directly into the trailer without the need of support. The use of this unit will reduce load/unload times significantly whilst improving operator working conditions.

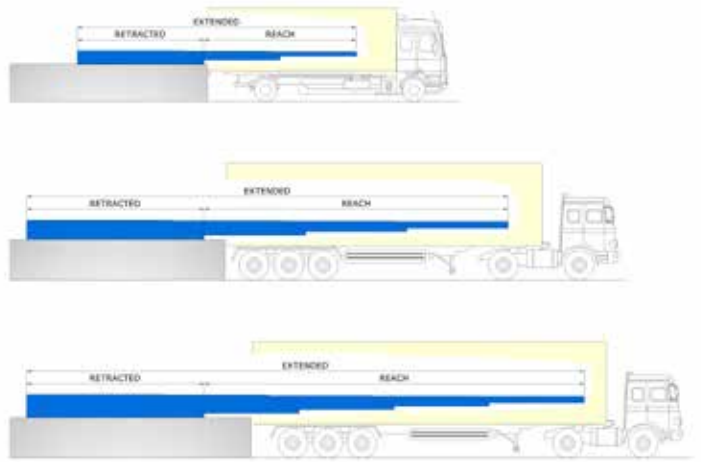
- 50 kg capacity per linear metre (level).
- 600mm & 800mm belt widths as standard with other widths available on request.
- 30m/min belt speed. Variable speed drive available on request.
- Top of belt height to suit specific applications.



## Features

- **Construction** – BestReach telescopic boom conveyors are built to the highest standard with a 10mm thick main case providing one of the strongest, most robust, conveyors of its type on the market.
- **Boom End Lights** – Two low energy powered LED units are fitted to the front of the conveyor to provide light directly in front of the loading area.
- **Extension Stop Bar** – A spring-loaded bar fitted to the front boom acts as a failsafe stop when the conveyor is extending. If activated, the boom will stop all functions.
- **Brush strips** – Brush strips are fitted between each moving stage of the conveyor to prevent debris being drawn into the machine during retraction.
- **Shrouded Emergency Stop Buttons** – To limit the damage to emergency stops, Best conveyors add fabricated steel shrouds to the exposed emergency stop buttons.
- **Sprocket Guards** – Steel guards are mounted around each sprocket to prevent entrapment and injury by the extension mechanism.

- **Soft Start/Stop Extension** – To improve the function and life of the BestReach telescopic boom conveyor the extension drive system is fitted with a soft start/stop as standard.

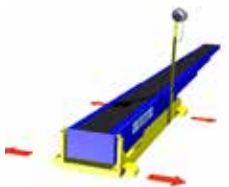


## Specifications

All conveyor products can be modified to suit specific design requirements. Please contact our sales representatives for details on sizes or options that are not listed.

	2 Stage			3 Stage				4 Stage			
	BR250	BR290	BR2120	BR3120s	BR3135	BR3150	BR3170	BR4120	BR4135	BR4150	BR4170
<b>Retracted</b>	4.2 m	5 m	8.5 m	6 m	6.5 m	8 m	8.5 m	5.5 m	6 m	6.5 m	7.5 m
<b>Reach</b>	5 m	9 m	12 m	12 m	13.5 m	15 m	17 m	12 m	13.5 m	15 m	17 m
<b>Extended</b>	9.2 m	14 m	20.5 m	18 m	20 m	23 m	25.5 m	17.5 m	19.5 m	21.5 m	24.5 m

## Performance Options



### Traversing

The addition of wheels to the BestReach Telescopic Boom Conveyor will allow the machine to be used on multiple doors. Configurations are available for both manual and powered traverse and can be used in conjunction with floor rails or PU wheels.



### Hydraulic Tilt

The outfeed height of the conveyor may be varied during use with the addition of a hydraulic tilt. Twin cylinders raise and lower the front of the main case, which pivots at the rear. The tilt option is often combined with the use of the man-rider platform to improve operator ergonomics.



### Man-Rider Platform

When the man-rider platform is in position it provides a stable and comfortable base from which an operator can transfer goods between the conveyor and the pick face. This is often combined with hydraulic tilt to lift the operator and allow direct access to high pick faces.



### Mobile Power Delivery

The BestReach Telescopic Boom Conveyor with traversing requires the addition of a mobile power delivery. This can be achieved using catenary cables, conductor rails or a retractable cable reel drum.



### High Level Chassis

For applications where there is no loading dock a high level support frame may be used to raise the top of belt level to suit a free standing vehicle or container.



### Raised Belt Transfer

The addition of a raised belt transfer creates a step in the top surface of the belt conveyor to allow goods to be smoothly transferred to and from an adjoining conveyor.

## Truck Loading

BestReach Gravity Telescopic Boom Conveyors will load most items quickly, safely and efficiently by extending directly into the trailer without the need of support. The use of this unit will reduce load times significantly whilst improving operator working conditions.

These units are typically used in conjunction with sortation systems or feeding conveyors.

- 50 kg capacity per linear metre (level).
- Heavy duty  $\phi 50$  steel rollers.
- 600mm and 800mm roller width.
- 75mm roller pitch.
- 3° – 5° gravity decline typical.





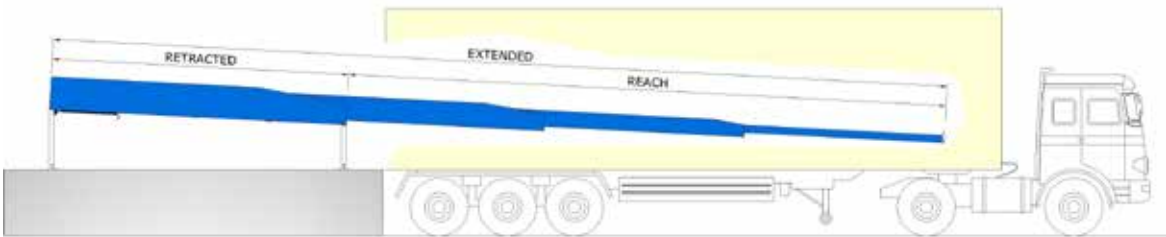
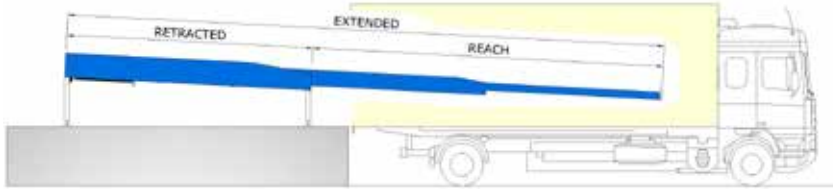
## Features

- **Construction** – BestReach roller telescopic boom conveyors are built to the highest standard with a thick steel main case providing one of the strongest, most robust, conveyors of its type on the market.
- **Drop Down Stop** – A package stop is fitted to the end of the last stage of the conveyor but can be latched up or down as required.
- **Spring Assisted** – A torsional coil spring is fitted between the extending stages to aid smooth extension and retraction.
- **Hinged Transitions** – The roller transitions at the joint between stages are hinged at the rear to prevent entrapment and injury caused by retraction.

## Specifications

	2 Stage		3 Stage
	BRG270	BRG290	BRG3120
<b>Retracted</b>	5.0 m	6.0 m	6.0 m
<b>Reach</b>	7.0 m	9.0 m	12.0 m
<b>Extended</b>	12.0 m	15.0 m	18.0 m

All conveyor products can be modified to suit specific design requirements. Please contact our sales representatives for details on sizes or options that are not listed.



## Performance Options



### Positional Lock

If the operation requires products to accumulate on the BestReach Roller conveyor positional lock may be required to prevent the conveyor from extending under the weight of the product.



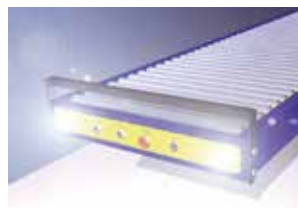
### Powered Extension

The manual (spring assisted) extension can be exchanged for a powered version driven by an electric geared motor.



### Raised Roller Transfer

The addition of a raised roller transfer creates a step in the top surface of the conveyor to allow goods to be smoothly transferred from a feeding conveyor.



### End Lights

Two low energy powered LED units are fitted to the front of the conveyor to provide light directly in front of the loading area.

## Driven Applications

Designed to provide rapid assembly of conveyor solutions for changing workplaces. Systems can be easily configured and re-configured as required to suit your immediate requirements. With a simple 240v power supply and latching connections the engineering requirement is minimal.

- 75Kg capacity per linear metre (level).
- 800 to 1100mm adjustable conveyor height.
- 450, 600 and 750mm typical conveyor widths.
- Various systems building components available.
- 240V or 110V 1ph supply.
- 120Vdc on board.
- Easily combined with BestFlex products for system building.



## Features

- **Motors** – 20 to 120 Vdc geared motors. Adjustable speed is from 2 to 36 metres per minute.
- **Controls** – Start/Stop controls on each section.
- **Adjustable Height** – Telescopic legs to raise or lower the conveyor height.
- **50mm Rollers** – Heavy duty precision bearing rollers on 12 mm axles for greater durability.
- **Side Plates** – Robust fabricated 3mm thick steel.
- **Castors** – 150mm x 50mm swivel castors. Castor brakes lock wheels in place while the conveyor is in use.

## System Building Components

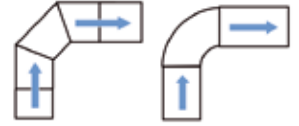
### Straights

Lengths of 1.5m, 3m, 4.5m & 6m

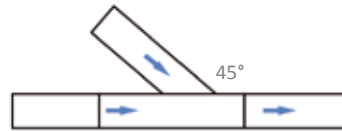


### Corners

Angles of 45° and 90°. Tight corners for small parcels or curves for maintaining orientation.

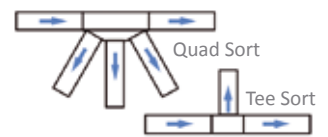


### Merges



### Manual Sort Tables

Driven or non-driven



## Performance Options

### Optical Electronic Flow Control

Incorporates photo electronics to provide automated flow control giving the user improved ergonomics, reduced labour cost, and improved service life. With options of using diffuse scan, retro reflective or through beam sensors all product shapes and materials can be detected and controlled easily.



### Indexing

The leading edge of a package is detected and starts the conveyor, which runs until the trailing edge is detected plus a preset time delay. The conveyor can be utilised as an end of line storage buffer.

### Zero-Pressure Accumulation

Provides a zoned flow control only allowing each package to proceed when the down stream zone is empty. The addition of 'time out' control gives excellent power saving only driving the conveyor as required.

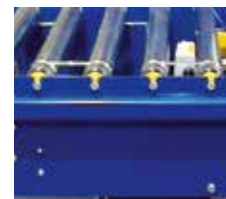
### Electronic Package Stop

The conveyor stops when sensors at the end detect a package is present. This stops delicate packages from being driven into a fixed end and provides power saving control.



### Roller Stop/Connector

Provides a simple mechanical connection between conveyor sections to allow longer lines to be built. This also acts as a drop-down stop at the end of lines.



### Axle Centres

In addition to the standard axle centre of 100mm, 75mm is available on request to handle smaller packages.



### 200mm x 50mm Swivel Castors

For easier rolling over uneven surfaces. Adds 50mm to the conveyor height.



### Side Guides

Prevents cartons from running off the edges of the conveyor.



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