

# REFLEX equip

industry knowledge - with advice you can trust

## onestopshop

MATERIALS HANDLING EQUIPMENT



CONVEYING & EQUIPMENT

PRODUCT FINDER

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industry knowledge ...  
with advice you can trust



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1300 774 872

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**WETHERILL PARK** NSW (National Distribution Centre)

54 Elizabeth St

Ph: (02) 8706 8800

Fax: (02) 9725 5257

[sydney@reflexequip.com.au](mailto:sydney@reflexequip.com.au)

**GOSFORD** NSW Cnr Manns Rd & Stockyard Place

Ph: (02) 4324 3455

Fax: (02) 4324 7149

[gosford@reflexequip.com.au](mailto:gosford@reflexequip.com.au)



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**CONVEYOR - POWERED FLEXIBLE AND EXPANDABLE**

Ideally suited for 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 cycle 300 times per hour. On/Off switches at both ends. Approximately 3 amps per 3.66 metres of conveyor. Durable drive motors features 0.09kw 180 volt DC with 220/240 volt AC converter.
- ✓ Self Tracking - Cartons follow the twists and turns of the conveyor path without using engineered curves.
- ✓ Adjustable Height - Adjustable locking bolts to raise or lower the conveyor bed height.
- ✓ Heavy duty square tubing legs for longer service life.
- ✓ 38mm rollers - Heavy duty 16 gauge precision bearing rollers on 12mm axles for greater durability.
- ✓ 38mm Side Plates - Aluminium alloy construction features a ribbed design for added strength. Assembled with bolts and lock nuts.
- ✓ Castors with brakes - 150mm x 50mm swivel castors roll easily. Castor brakes lock wheels in place while the conveyor is in use.



**150kg capacity**  
per linear metre

**OPTIONS**



**Zero-Pressure Accumulation.**

Electronic controls enable cartons to move directly to the discharge end without stopping until they reach the last zone of accumulation.



**Electronic Package Stop.**

Automatically stops cartons at discharge end of conveyor. When carton is removed, conveyor starts again to bring next carton into position.

Code	Width mm	Standard Lengths Compacted to Expanded (m)	Leg Sets Per Unit	Roller Axle Centres Extended mm	Approx Shipping Weight kg
LF PF151812	450	1.2 - 3.7	5	127	145
LF PF151824	450	2.4 - 7.3	8	127	288
LF PF151836	450	3.7 - 11	11	127	431
LF PF151848	450	4.9 - 14.6	14	127	574
LF PF152412	600	1.2 - 3.7	5	127	170
LF PF152424	600	2.4 - 7.3	8	127	338
LF PF152436	600	3.7 - 11	11	127	508
LF PF152448	600	4.9 - 14.6	14	127	676
LF PF153012	750	1.2 - 3.7	5	127	195
LF PF153024	750	2.4 - 7.3	8	127	390
LF PF153036	750	3.7 - 11	11	127	583
LF PF153048	750	4.9 - 14.6	14	127	778

**Adjustable Height:** Standard adjustable range is from 800mm to 1100mm. 200mm castor option adds 25mm to conveyor height to take adjustable range from 825mm to 1125mm.

**Axle Centres:** When expanded, the distance between axle centre is 127mm. Optional 76mm and 102mm axle centres are available. Optional axle centres affect compacted conveyor length.

**Extended Lengths:** PowerFlex conveyors are available in any length. If your application requires a length that is not listed in the above chart, please contact Reflex Equip for assistance

**CONVEYOR - GRAVITY ROLLER**

Excellent for handling odd-shaped items, 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



**220kg capacity**  
per linear metre

**Features**

- ✓ Self Tracking - Cartons follow the twists and turns of the conveyor path without using engineered curves.
- ✓ Adjustable Height - Adjustable locking knobs to raise or lower conveyor height.
- ✓ Square Tubing Legs - heavy duty square tubing legs for longer service life.
- ✓ 38mm Side Plates - Aluminium alloy construction features a ribbed design for added strength. Assembled with bolts and lock nuts.
- ✓ Castors with brakes - 127mm x 38mm swivel castors roll easily. Castor brakes lock both wheels and swivel simultaneously while the conveyor is in use.

Code	Width mm	Standard Lengths Compacted to Expanded (m)	Leg Sets Per Unit	Roller Axle Centres Extended mm	Approx Shipping Weight kg
LF BFR1812	450	1.2 - 3.7	4	127	102
LF BFR1816	450	1.6 - 4.9	5	127	132
LF BFR1820	450	2.0 - 6.1	6	127	163
LF BFR1824	450	2.4 - 7.3	7	127	193
LF BFR2412	600	1.2 - 3.7	4	127	109
LF BFR2416	600	1.6 - 4.9	5	127	138
LF BFR2420	600	2.0 - 6.1	6	127	170
LF BFR2424	600	2.4 - 7.3	7	127	200
LF BFR3012	750	1.2 - 3.7	4	127	116
LF BFR3016	750	1.6 - 4.9	5	127	145
LF BFR3020	750	2.0 - 6.1	6	127	177
LF BFR3024	750	2.4 - 7.3	7	127	206

**Adjustable Height:** Standard adjustable range is from 720mm to 1080mm. 150mm castor option adds 23mm to conveyor height to take adjustable range from 785mm to 1103mm.

**Axle Centres:** When expanded, the distance between axle centre is 127mm. Optional 76mm and 102mm axle centres are available.

**Extended Lengths:** BestFlex Gravity Roller conveyors are available in any length. If your application requires a length that is not listed in the above chart, please call Reflex Equip for assistance.

**Options**



**Axle Centres**

Optional 76mm and 102mm axle centres are available for small package applications.



**Leg Connect Brackets**

Easily connects two or more conveyors to span greater distances.

### CONVEYOR - GRAVITY SKATEWHEEL 300KG

Gravity skatewheel conveyors provide an economical solution in materials handling. Ideally suited for truck loading and unloading, packaging, shipping and flexible assembly lines. The optional impact support section is recommended for high impact receiving applications.

**Features**

- ✓ Self Tracking - Cartons stay on the conveyor bed following the twist and turn of the conveyor path without using engineered curves.
- ✓ Adjustable Height - Adjustable locking knobs to raise or lower conveyor height.
- ✓ 32mm Side Plates - Aluminium alloy construction features a ribbed design for added durability. Assembled with bolts and lock nuts.
- ✓ Castor With Brakes - 127mm x 38mm swivel castors roll easily. Castor brakes lock both wheel and swivel simultaneously while the conveyor is in use.



**300kg capacity**  
per linear metre

**446kg AVAILABLE**

Code	Width	Standard Lengths Compacted to Expanded	Leg Sets Per Unit	Skate Wheels per Axel	Approx Shipping Weight kg
LF BF2001812	450	910mm - 3.6	4	7	78
LF BF2001816	450	1.2 - 4.8	5	7	103
LF BF2001820	450	1.5 - 6.1	6	7	128
LF BF2001824	450	1.8 - 7.3	7	7	153
LF BF2002412	600	910mm - 3.6	4	9	90
LF BF2002416	600	1.2 - 4.8	5	9	116
LF BF2002420	600	1.5 - 6.1	6	9	145
LF BF2002424	600	1.8 - 7.3	7	9	174
LF BF2003012	750	910mm 3.6	4	10	102
LF BF2003016	750	1.2 - 4.8	5	10	122
LF BF2003020	750	1.5 - 6.1	6	10	153
LF BF2003024	750	1.8 - 7.3	7	10	184

**Adjustable Height:** Standard adjustable range is from 720mm to 1000mm. 150mm castor option adds 23mm to conveyor height to make adjustable range from 743mm to 1023mm.

**Axle Centres:** When expanded, the distance between axle centre is 127mm. Optional 76mm and 102mm axle centres are available. Reduced axle centres affect compacted conveyor length.

**Extended Lengths:** Best/Flex 200 conveyors are available in any length. If your application requires a length that is not listed in the above chart, please contact Reflex Equip for assistance.

**Performance Options**



**Impact Support Section.**  
Built into the conveyor. Offers extra support to handle punishing conditions.



**Axle Centres.**  
Optional 76mm and 102mm axle centres available for small package applications.



**Leg Connect Brackets.**  
Connects two or more conveyors to span greater distances.



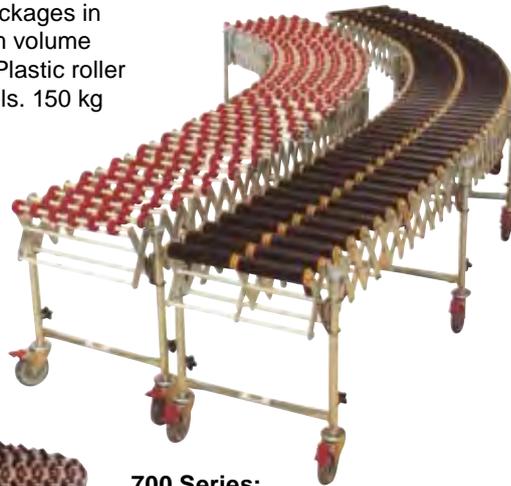
**Package Stop.**  
Stops cartons at the end of the conveyor and drops down when not needed.

### CONVEYOR - EXTENDABLE

A unique flexible conveyor that expands, contracts, twists and turns into an 's' shape or circle. Quick set-up and adjustable height legs on lockable castors. Skate wheels or rollers designed to ensure self-tracking.

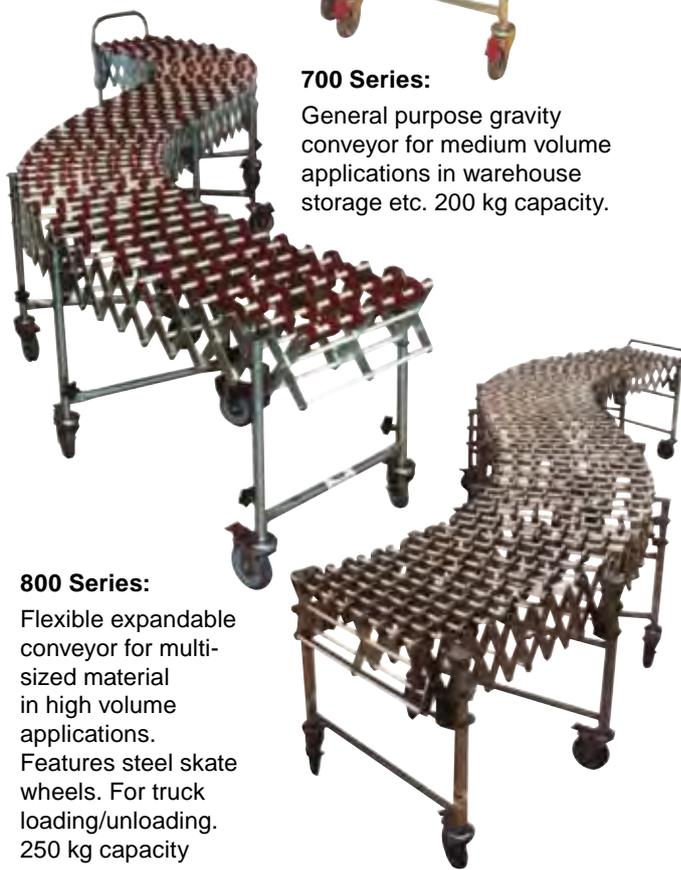
**500 Series:**

Economical expandable gravity conveyor. For multi sized packages in low to medium volume applications. Plastic roller or skate wheels. 150 kg capacity.



**700 Series:**

General purpose gravity conveyor for medium volume applications in warehouse storage etc. 200 kg capacity.



**800 Series:**

Flexible expandable conveyor for multi-sized material in high volume applications. Features steel skate wheels. For truck loading/unloading. 250 kg capacity

Code	Width mm	Lengths Min/Max mm	Legs Per Unit	Roller Type	Capacity kg
RX ES535P	350	1850 - 7500	5	5 x Plastic Skates	150
RX ER531P	350	2500 - 7500	5	2 x Plastic Roller	150
RX ES735P	350	1850 - 7500	7	5 x Plastic Skates	200
RX ER732P	350	2500 - 7500	7	2 x Plastic Roller	200
RX ES735S	350	1850 - 7500	7	5 x Steel Skates	200
RX ES546P	460	1850 - 7500	5	6 x Plastic Skates	150
RX ER542P	460	2500 - 7500	5	2 x Plastic Roller	150
RX ES746P	460	1850 - 7500	7	6 x Plastic Skates	200
RX ER742P	460	2500 - 7500	7	2 x Plastic Roller	200
RX ES746S	460	1850 - 7500	7	6 x Steel Skates	200
RX ES568P	610	1850 - 7500	5	8 x Plastic Skates	150
RX ER562P	610	2500 - 7500	5	2 x Plastic Roller	150
RX ES768P	610	1850 - 7500	7	8 x Plastic Skates	200
RX ER762P	610	2500 - 7500	7	2 x Plastic Roller	200
RX ES768S	610	1850 - 7500	7	8 x Steel Skates	200

CONVEYOR - GRAVITY



Gravity Roller conveyor is normally used where the cost of powered conveyor is generally unjustifiable and where the use of free gravity forces will allow the product to move freely along the conveyor.

From a small section of conveyor through to a complete multimillion dollar turn - key project installation, Reflex Equip can supply a wide range of Gravity Roller Conveyors to suit most applications.

We offer straight sections, curves, personnel gates,

merges and junctions as well as accessories such as product stops and flow control units in our product range.

CONVEYOR CURVES

Standard curves are 45 and 90 degree and are readily available. Other angles are available to special order.

Standard radius on all curves is 1220mm (measured to the inside vertical face of the outer frame).

The 305mm wide curve is supplied with a single roller, whilst the 460mm and 610mm utilise twin rollers to ensure true product tracking. Tapered rollers can also be provided if required.

All curves can be supplied with fixed or adjustable side guides.



CONVEYOR SUPPORTS

Two types of standard supports are available. Both styles provide adjustment from 600 - 1000mm to "Top of Roller". Other support styles and purpose built structures are available to special order.

RHS Supports are bolted to the underside of the conveyor frame via a crescent plate. This plate allows for angular alignment during installation.

Pipe stands are also available for economy or for applications where the conveyor may be moved on a frequent basis.

Normally, supports are only placed on every conveyor join (3 stands for 2 frames). Curves always require 2 stands for correct stability.



Pipe Stand



RHS Stand

CONVEYOR FRAMES

Standard gravity conveyor frame widths are 305mm, 460mm and 610mm overall. Other widths are available on request.

Conveyor frames are available in both 1.5 metre and 3 metre lengths. Again, other lengths are available to order. Frames are supplied with either "butting plates" (standard) or hook and bar attachments to secure each segment together.



Standard frames are supplied in a "hammer tone" blue spray painted finish. Other colours or finishes are available on request including galvanised and stainless steel frame options.

CONVEYOR ROLLERS

Standard rollers for the conveyor frames we supply are 50.8mm diameter.

They are available in PVC (25kg capacity), Black Steel and Galvanised Steel in both Medium Duty (140kg capacity) and Heavy Duty (200kg capacity) versions to suit varying loads or conditions. Stainless steel rollers for wash down or corrosive applications are also available.



Spring loaded axles slot into holes along the frame.

On PVC and Medium Duty rollers one end is a D shape whilst the other is round. This allows for easy replacement of damaged rollers.

We supply standard gravity conveyor with rollers at 3 pitches - 79mm, 115mm and 158mm (or multiples of these).

Rollers at alternative pitching are available to special order.

CONVEYOR GRAVITY ROLLERS & POWERED ROLLERS

Rollers for Gravity Conveyors are available in PVC (Light Duty), Steel (Medium and Heavy Duty) and Stainless Steel. They can be supplied in 16mm, 20mm, 25mm, 32mm, 50.8mm, 60.3mm, 76mm and 89mm diameters. We supply rollers with round, D, "Q" Shaft, hexagonal and tapped or threaded shafts in a number of materials and diameters. Rollers can be fitted with a variety of bearings types for different applications, sanitary versions are also available.



LINE SHAFT ROLLERS

Reflex Equip can supply rollers for line shaft systems with either hexagonal or round shafts. They are available in PVC, Steel or Stainless Steel depending on the intended application.

Differing bearing types are also available.

Rollers with either single or double grooves are available for line shaft applications.



## CONVEYOR SYSTEMS

Reflex Equip can assist in the conceptual design and arrange manufacture and installation of completed systems for freight and distribution companies, drum handlers, printers, meat processors and packers, fruit and vegetable growers, automotive component manufacturers and many more.

We have worked with most industry types and welcome your enquiry for complete systems for any application.



### CONVEYOR SYSTEMS - BELT

A conveyor style that utilizes a flat belt running on a flat fabricated steel deck or over rollers. They are used where smooth and quiet transport of product is desirable, and is ideally suited to irregular shaped product that cannot easily be moved on other conveyor styles.

Examples of applications other than cartons or tote bins would be the movement of floppy sacks or satchels, bags of powder or flour, or raw food products. This is an excellent conveyor for handling items that may have loose strings or tapes attached that would otherwise get caught in other conveyor styles.

Belt conveyors give a smooth solution for situations where you need a change in elevation - for example inter floor situations or to receive or deliver products to a mezzanine level.



### CONVEYOR SYSTEMS - LINE SHAFT

Line shaft is an economical method of conveying flat bottomed product. A series of rollers, each driven by a polyurethane band connected to a single rotating shaft mounted within the conveyor body, drive the product through the system.

Lineshaft conveyors are made as standard in 245mm, 398mm and 550mm between frame widths.

This style of conveying is ideal in warehouse order picking applications or where cartoned product is being transported through a manufacturing process. It allows for low pressure accumulation, quiet operation and easy installation.

Line shaft conveyors are suitable for transportation of products within warehouse or manufacturing operations where lighter weight cartons, tote bins and other products need to be moved, allowing for a variety of situations requiring directional changes. Limited minimal pressure accumulation of product can be obtained with this style of drive method.

We provide straight modules, curves, and merges, slave drive assemblies, under roller brakes, pneumatic blade stops, personnel gates and many other accessories for this product.

Due to the nature of line shaft, one drive can power many metres of conveyor, making it extremely economical. We also supply spare spools, bands and rollers.

Curves, in 30 - 45 - 60 or 90 degree, can be supplied with either straight or tapered rollers, depending on the application.



### BALL TRANSFERS

Ball transfers are a transfer medium for the movement of any flat object in any direction on a horizontal plane.

- ✓ A multi-directional transfer station from one conveyor line to another
- ✓ The movement of tote boxes of components around machines
- ✓ Loading/unloading platforms or scales
- ✓ The movement of steel plate in & around guillotines & presses



Code	Capacity kg	L x W x H mm	Hole to Hole mm	Ball Dia. mm
UB BT254-1	50	70 x 50 x 31	55.5	25.4

### ROLLER FLOW

A variety of tracks designed to handle anything from feather to heavyweight applications, conveying items reliably and quietly from the input end to various order-picking stations – year in, year out, maintenance free.

Available in a variety of lengths to suit your needs.

Roller Flow supplied with end brackets to allow drop in fitting for pallet racking frames etc.

