

Gravity Roller Conveyor System

Gravity conveyors the cost effective solution for transporting unit loads.

Gravity conveyors are the cost effective solution to many materials handling needs. The rollers reduce surface friction and allow goods to be moved manually without the aid of power. They suit flat based goods or those which are transported in flat based containers, and can support loads up to 110kg per metre



Roller Straight

Gravity conveyors are the cost effective solution to many materials handling needs. The rollers reduce surface friction and allow goods to be moved manually without the aid of power. They suit flat based goods or those which are transported in flat based containers, and can support loads up to 110kg per metre.

- Available in medium duty, heavy duty and extra heavy duty and skatewheel.
- Lengths 2.0m and 3.0m
- 300, 400, 450, 500, 600, 800BB
- 800* *(heavy duty, extra heavy duty & skatewheel only)
- Pitch:
 - Medium Duty 42, 83, 125 & 167mm
 - Heavy Duty 83, 125, 167 & 250mm
 - Extra Heavy Duty 83, 125, 167 & 250mm
 - Skatewheel 83mm



Roller Curve

Gravity conveyors are the cost effective solution to many materials handling needs. The rollers reduce surface friction and allow goods to be moved manually without the aid of power. They suit flat based goods or those which are transported in flat based containers, and can support loads up to 110kg per metre.

- Available in medium duty, heavy duty, extra heavy duty, tapered rollers and skatewheel.
- Angles 30, 45, 60 and 90 degrees
- 300, 400, 450, 500, 600, 800BB
- 800* *(heavy duty, extra heavy duty and skatewheel only)
- Pitch:
 - Medium Duty 45mm & 90mm
 - Heavy Duty 55mm & 110mm
 - Extra Heavy Duty 55mm & 110mm
 - Skatewheel 55mm



Roller Spur

Gravity spurs are used where a secondary conveyor or pick lane needs to feed loads into a main conveyor. The angle of the merge is 30 or 45 degrees and can be bolted to a conveyor straight anywhere along its length.

- Available in medium duty, heavy duty and skatewheel.
- Angles 30 and 45 degrees
- 300, 400, 450, 500, 600, 800BB
- 800* *(heavy duty only)
- Pitch:
 - Medium Duty 42mm & 83mm
 - Heavy Duty 83mm
 - Skatewheel 83mm

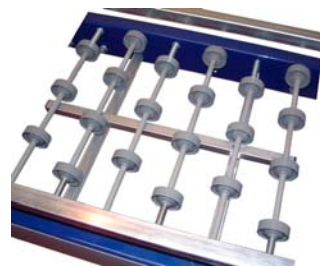
Gravity roller conveyors can be installed horizontally wherever movement of the load is manually controlled or alternatively a shallow decline can be created by adjusting the stand height, allowing loads to be moved under the force of gravity. They can also be used in combination with powered conveyors in integrated systems.



Personnel Gate

The Gravity personnel gate is designed to allow personnel access through a run of conveyor. It attaches to a conveyor straight and forms part of a straight run of conveyor. It gives 850mm of clear entry and fits into a 1m gap in the conveyor. The gate is lifted manually and gas springs are fitted to reduce the amount of physical effort required.

- Available in medium duty, heavy duty extra heavy duty and skatewheel.
- 300, 400, 450, 500, 600, 800BB
- 800* *(heavy duty, extra heavy duty and skatewheel only)
- Pitch:
 - Medium Duty 42mm & 83mm
 - Heavy Duty 83mm & 125mm
 - Extra Heavy Duty 83mm & 125mm
 - Skatewheel 83mm



Skatewheel Straights

- Lengths 2.0m and 3.0m
- 300, 400, 450, 500, 600, 800BB
- Pitch: 83mm



Skatewheel Curve

- 30, 45, 60, and 90 degrees.
- 300, 400, 450, 500, 600, 800BB
- Pitch: 55mm



Skatewheel Spur

- 30, 45, 60, and 90 degrees.
- 300, 400, 450, 500, 600, 800BB
- Pitch: 55mm

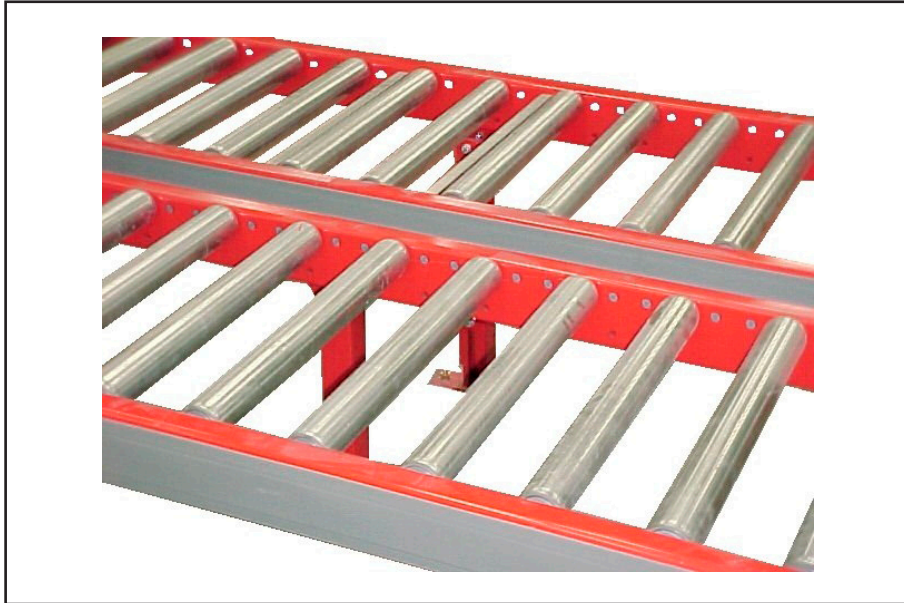


Ball Tables

Gravity spurs are used where a secondary conveyor or pick lane needs to feed loads into a main conveyor. The angle of the merge is 30 or 45 degrees and can be bolted to a conveyor straight anywhere along its length.

- 300, 400, 450, 500, 600, 800BB

Gravity Roller Conveyor System

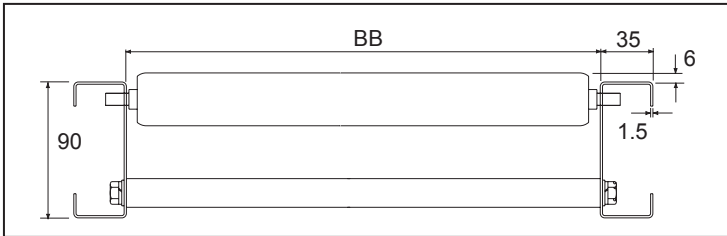


Gravity conveyors are the cost effective solution to many materials handling needs. The rollers reduce surface friction and allow goods to be moved manually without the aid of power. They suit flat based goods or those which are transported in flat based containers, and can support loads up to 110kg per metre.

- Available in medium duty, heavy duty and extra heavy duty and skate-wheel.
- Lengths 2.0m and 3.0m
- 300, 400, 450, 500, 600, 800BB
800* *(heavy duty, extra heavy duty & skatewheel only)
- Pitch:
Medium Duty 42, 83, 125 & 167mm
Heavy Duty 83, 125, 167 & 250mm
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Skatewheel 83mm

Gravity Roller Conveyor System

Medium Duty



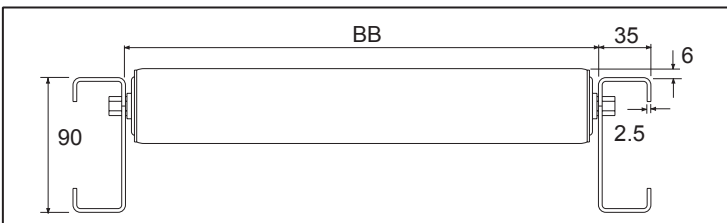
Loads up to 80kg per metre.

Roller: 35mm dia 1.22mm wall thickness.

Frame: 90mm x 35mm x 1.5mm C section.

Uniformly loaded capacity of 550kg over 2m or 250kg over 3m.

Heavy Duty



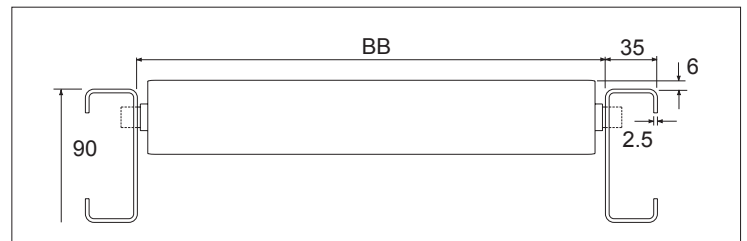
Loads up to 110kg per metre.

Roller: 50mm dia 1.5mm wall thickness.

Frame: 90mm x 35mm x 2.5mm C section.

Uniformly loaded capacity of 740kg over 2m or 330kg over 3m.

Extra Heavy Duty

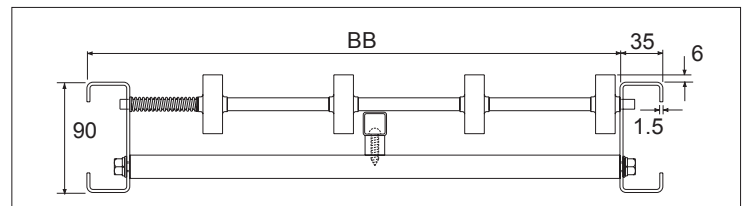


Loads up to 110kg per metre.

Roller: 51mm dia 3.2mm wall thickness.

Frame dimensions and loading capacities are the same as heavy duty roller. Rollers are manufactured from 3.2mm steel tube to relieve the stress of indentation on rollers created by loads ie. trays, sharp edges etc.

Skatwheels



Loads up to 80kg per metre.

Frame: 90mm x 35mm x 1.5mm C section.

Wheel: 48mm diameter x 16mm wide Acetal wheel with carbon chrome steel balls running in twin caged races.

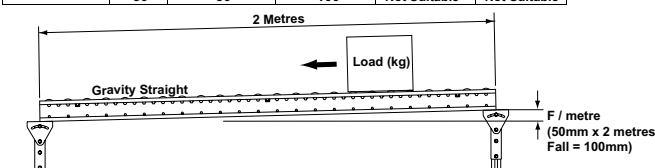
Please Note: Loads in excess of 50kg are dangerous when allowed to run away on a gradient.

Package	Weight (kg)	Gravity Roller		Gravity Wheel	
		Fall (F) in mm per metre	mm per 90°	Fall (F) in mm per metre	mm per 90°
Cartons	2	*	*	120	250
	5	50	125	30	100
	10	40	125	20	90
	20	30	90	15	75
Wooden Cases	2	50	125	30	125
	5	30	100	20	125
	10	20	100	20	100
	25	15	75	20	90
Tote Boxes	5	40	125	30	100
	10	30	100	20	90
	25	20	75	15	75
Steel Drums	10	50	140	Not Suitable	Not Suitable
	25	40	125	Not Suitable	Not Suitable
Milk Crates	5	60	150	Not Suitable	Not Suitable
	20	40	125	Not Suitable	Not Suitable
	30	30	100	Not Suitable	Not Suitable

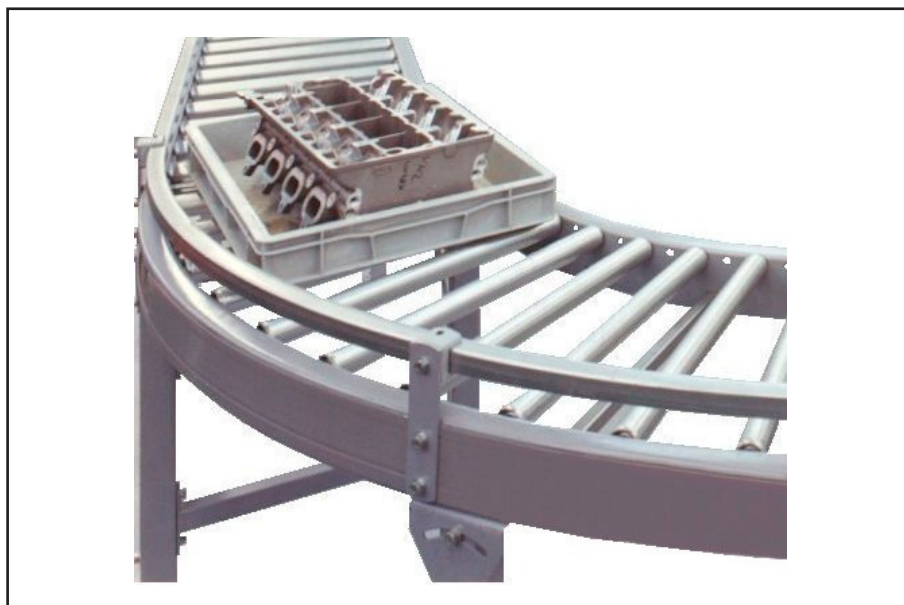
* Loads under 5 kg when used on gravity roller should be tested prior to installation.

Example for gravity straight:

Package = Carton
 Load (kg) = 5
 Gravity Roller = 50mm per metre
 Fall (F) in mm = 100mm



Gravity Roller Conveyor System

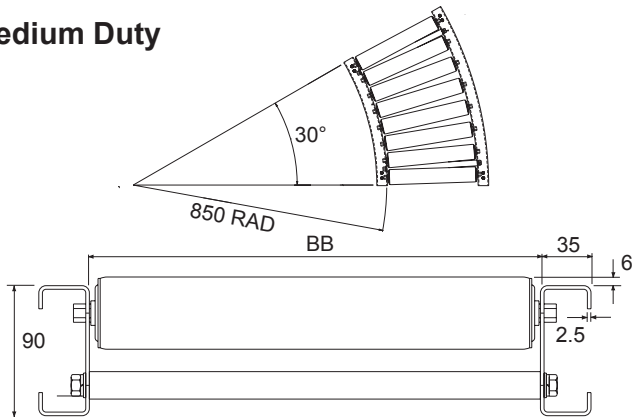


Rollers are tapered and multi-grooved to facilitate the jump belts. Each tapered roller is connected by flexible jump belts.

- Available in LH & RH options.
- Full Range of widths
- 30, 45, 60 and 90 degree curves
- 1 and 2 zones available
- Tapered rollers
- 140mm & 180mm channel heights
- Speeds up to 60m / min

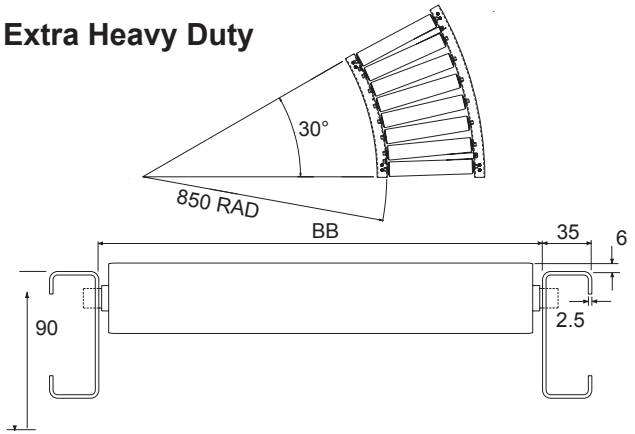
Gravity Roller Conveyor System

Medium Duty



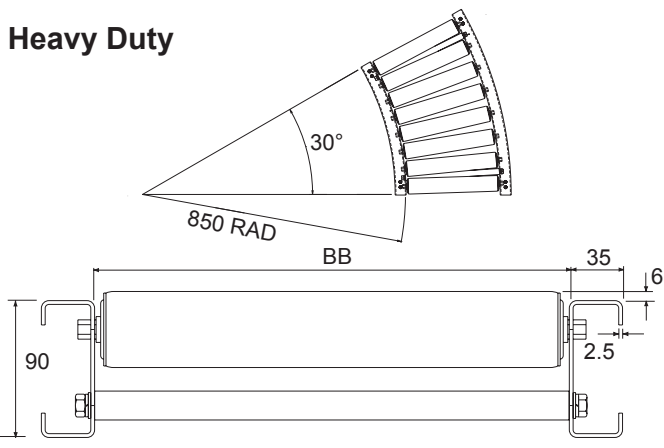
Loads up to 80kg per metre.
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Extra Heavy Duty



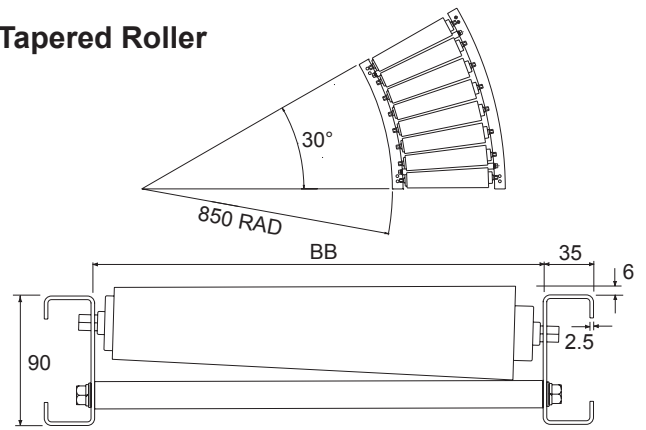
Loads up to 110kg per metre.
 Roller: 51mm dia 3.2mm wall thickness
 Frame: 90mm x 35mm x 2.5mm C section.

Heavy Duty



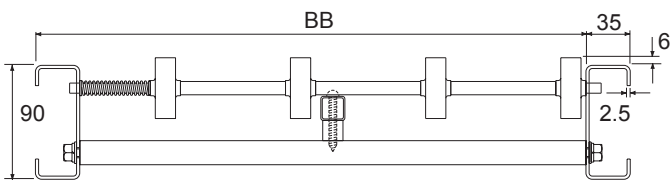
Loads up to 110kg per metre.
 Roller: 50mm dia 1.5mm wall thickness
 Frame: 90mm x 35mm x 2.5mm C section.

Tapered Roller



Loads up to 110kg per metre.
 Roller: 50mm outside diameter at the small end of taper.
 Large end varies with width of conveyor.
 Frame: 90mm x 35mm x 2.5mm C section.

Skatwheel



Loads up to 80kg per metre.
 Frame: 90mm x 35mm x 2.5mm C section.
 Wheel: 48mm diameter x 16mm wide Acetal wheel with carbon chrome steel balls running in twin caged races.

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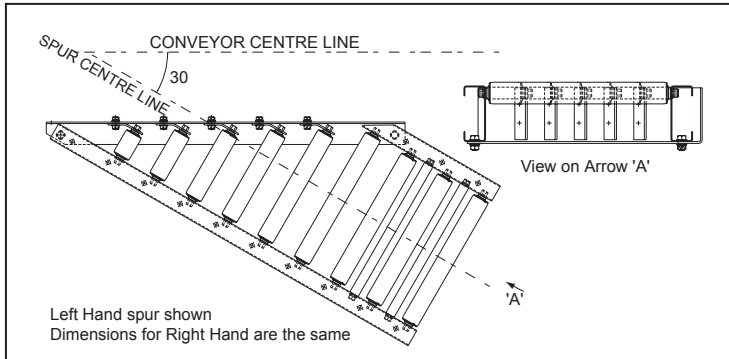


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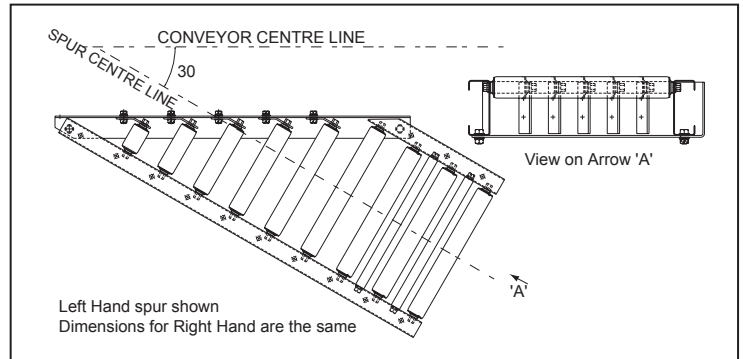


Loads up to 80kg per metre.

Roller: 35mm dia 1.22mm wall thickness

Frame: 90mm x 35mm x 1.5mm C section.

Heavy Duty

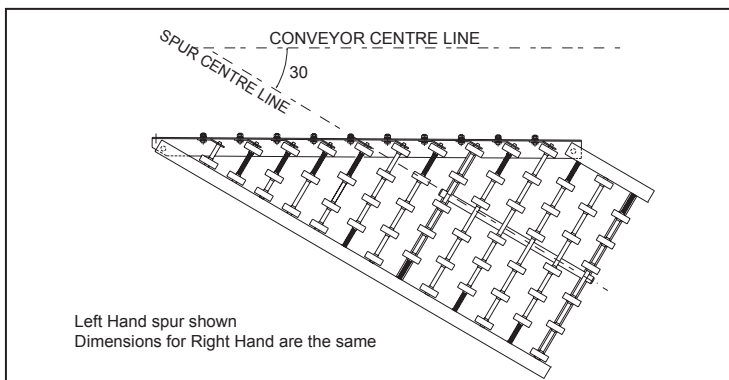


Loads up to 110kg per metre.

Roller: 50mm dia 1.5mm wall thickness

Frame: 90mm x 35mm x 2.5mm C section.

Skatewheel



Loads up to 80kg per metre.

Frame: 90mm x 35mm x 1.5mm C section.

Wheel: 48mm diameter x 16mm wide Acetal wheel with carbon chrome steel balls running in twin caged races.

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Skatewheel

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