

Gravity and Powered Conveyors

GRAVITY ROLLER STRAIGHT CONVEYOR FRAME

			Dimensions in mm
OVERALL WIDTH	BETWEEN FRAME	OVERALL LENGTH	PART NUMBER
301	241	1500	LG1500300
301	241	3000	LG3000300
377	317	1500	LG1500380
377	317	3000	LG3000380
453	393	1500	LG1500450
453	393	3000	LG3000450
529	469	1500	LG1500530
529	469	3000	LG3000530
605	545	1500	LG1500600
605	545	3000	LG3000600

POWER ROLLER STRAIGHT CONVEYOR FRAME - INTERMEDIATE

			Dimensions in mm
OVERALL WIDTH	BETWEEN FRAME	OVERALL LENGTH	PART NUMBER
453	393	1500	LP1500450
453	393	3000	LP3000450
529	469	1500	LP1500530
529	469	3000	LP3000530
605	545	1500	LP1500600
605	545	3000	LP3000600

POWER ROLLER STRAIGHT CONVEYOR FRAME - DRIVE (S.E.W. ONLY)

			Dimensions in mm
OVERALL WIDTH	BETWEEN FRAME	OVERALL LENGTH	PART NUMBER
453	393	3000	LP3000450D
529	469	3000	LP3000530D
605	545	3000	LP3000600D

GRAVITY ROLLER CURVE CONVEYOR FRAME

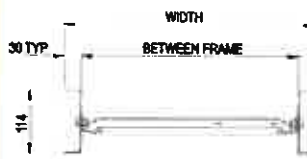
			Dimensions in mm
OVERALL WIDTH	BETWEEN FRAME	ANGLE	PART NUMBER
301	241	45°	LG45D300
301	241	90°	LG90D300
377	317	45°	LG45D380
377	317	90°	LG90D380
453	393	45°	LG45D450
453	393	90°	LG90D450
529	469	45°	LG45D530
529	469	90°	LG90D530
605	545	45°	LG45D600
605	545	90°	LG90D600

POWER ROLLER CURVE CONVEYOR FRAME

			Dimensions in mm
OVERALL WIDTH	BETWEEN FRAME	ANGLE	PART NUMBER
453	393	45°	LP45D450
453	393	90°	LP90D450
529	469	45°	LP45D530
529	469	90°	LP90D530
605	545	45°	LP45D600
605	545	90°	LP90D600

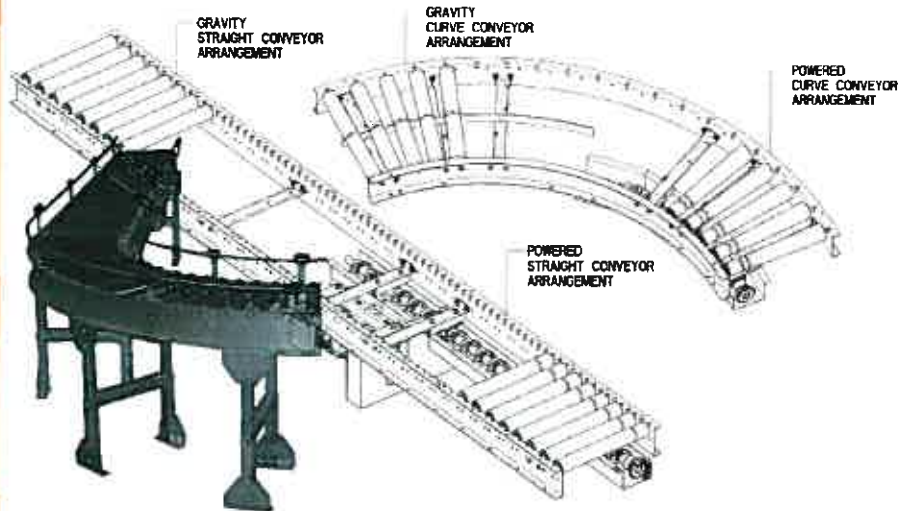
The Lemcol range of gravity conveyors will enable goods of various shapes, sizes and weights to be moved quickly, efficiently and safely from one operational stage to the next.

Now available, the next-generation series integrates gravity and powered components on the same platform to create a truly modular system.



Interlocking frame design means the system can be easily assembled or re-arranged as required.

Load capacities for gravity conveyors increases by up to 50% due to a new frame depth.



POWER ROLLER - STEEL 50 MM DIAMETER 1.6 MM WALL

				Dimensions in mm
SUIT WIDTH (NOMINAL)	ROLLER WIDTH	OVER BEARING WIDTH	FRAME TYPE	PART NUMBER
450	379	388	Straight	LRSS450
530	455	464	Straight	LRSS530
600	531	540	Straight	LRSS600

POWER ROLLER - POLYPROPYLENE 50 MM DIAMETER 4.0 MM WALL

				Dimensions in mm
SUIT WIDTH (NOMINAL)	ROLLER WIDTH	OVER BEARING WIDTH	FRAME TYPE	PART NUMBER
450	381	388	Straight	LRSP450
530	457	464	Straight	LRSP530
600	533	540	Straight	LRSP600

POWER ROLLER - POLYPROPYLENE TAPERED 4.0 MM WALL

				Dimensions in mm
SUIT WIDTH (NOMINAL)	ROLLER WIDTH	OVER BEARING WIDTH	FRAME TYPE	PART NUMBER
450	380	388	Curve	LRT450
530	456	464	Curve	LRT530
600	532	540	Curve	LRT600

'MOVING BUSINESS FORWARD'

DRIVE PER ROLLER BY TYPE OF BOTTOM	
Drive Capacity (Per Roller (kg))	Type of Product Bottom
5	Soft, weak bottom, load unbalanced, uneven bottom, with noticeable bumping. e.g. fibre types, wire or steel baskets, lightweight corrugated
7	Slight indentation less than even loading. e.g. normal corrugated and most plastic types. Includes most occasional
8	Firm, very flat bottom and uniform loading e.g. heavy wall corrugated double wall corrugated and stiff treated materials
10	Hard and flat bottom, uniform load distribution e.g. plywood and fibreboard

Kilowatts Required for Straight Sections (per Metre) when accumulating						
	10 MPM	15 MPM	20 MPM	25 MPM	30 MPM	35 MPM
75mm Pitch	0.015	0.023	0.03	0.038	0.046	0.055

Kilowatts Required for Curve Sections						
	10 MPM	15 MPM	20 MPM	25 MPM	30 MPM	35 MPM
90°	0.04	0.06	0.08	0.1	0.12	0.15
45°	0.02	0.03	0.04	0.05	0.06	0.08

Maximum Kilowatts per Drive						
Speed	10 MPM	15 MPM	20 MPM	25 MPM	30 MPM	35 MPM
KW	0.75	1.1	1.5	1.5	1.5	1.5

Support Frames

To suit gravity and power conveyors
Max. Capacity = 400kg per support for gravity conveyor.



SUPPORT FRAMES			
WIDTH	HEIGHT ± 75	PART NUMBER	
301	575	LL575300	
377	575	LL575380	
453	575	LL575450	
529	575	LL575530	
605	575	LL575600	
301	725	LL725300	
377	725	LL725380	
453	725	LL725450	
529	725	LL725530	
605	725	LL725600	
301	875	LL875300	
377	875	LL875380	
453	875	LL875450	
529	875	LL875530	
605	875	LL875600	
301	1025	LL1025300	
377	1025	LL1025380	
453	1025	LL1025450	
529	1025	LL1025530	
605	1025	LL1025600	

Rollers

To suit gravity and power conveyors

110 KG GRAVITY STEEL ROLLERS - 1.6 MM WALL

SUIT WIDTH (NOMINAL)	ROLLER WIDTH	OVER BEARING WIDTH	FRAME TYPE	PART NUMBER
300	233	238	Straight	LRG300-110
380	309	314	Straight	LRG380-110
450	385	390	Straight	LRG450-110
530	461	466	Straight	LRG530-110
600	537	542	Straight	LRG600-110
300	2 x 111	238	Curve	LRG300-110T
380	2 x 149	314	Curve	LRG380-110T
450	2 x 187	390	Curve	LRG450-110T
530	2 x 224	466	Curve	LRG530-110T
600	2 x 262	542	Curve	LRG600-110T

60 KG GRAVITY STEEL ROLLERS - 1.2 MM WALL

SUIT WIDTH (NOMINAL)	ROLLER WIDTH	OVER BEARING WIDTH	FRAME TYPE	PART NUMBER
300	233	238	Straight	LRG300-60
380	309	314	Straight	LRG380-60
450	385	390	Straight	LRG450-60
530	461	466	Straight	LRG530-60
600	537	542	Straight	LRG600-60
300	2 x 114	238	Curve	LRG300-60T
380	2 x 150	314	Curve	LRG380-60T
450	2 x 188	390	Curve	LRG450-60T
530	2 x 226	466	Curve	LRG530-60T
600	2 x 264	542	Curve	LRG600-60T

50KG GRAVITY POLYPROPYLENE ROLLERS - 4 MM WALL

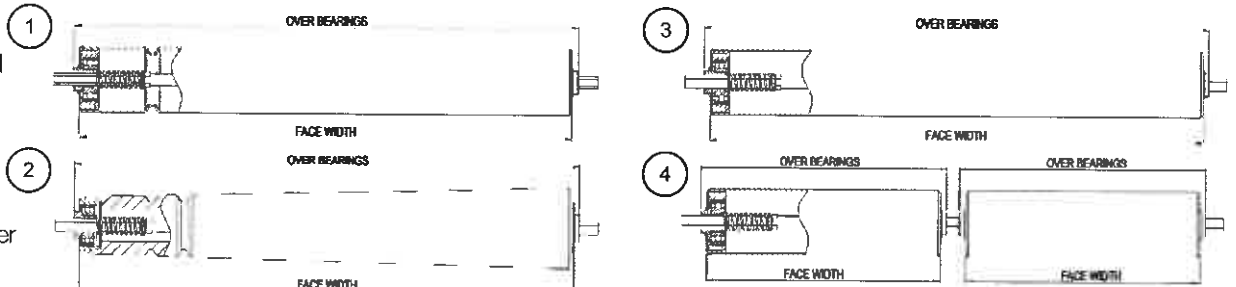
SUIT WIDTH (NOMINAL)	ROLLER WIDTH	OVER BEARING WIDTH	FRAME TYPE	PART NUMBER
300	233	238	Straight	LRG300-50
380	309	314	Straight	LRG380-50
450	385	390	Straight	LRG450-50
530	461	466	Straight	LRG530-50
600	537	542	Straight	LRG600-50
300	2 x 116	238	Curve	LRG300-50T
380	2 x 154	314	Curve	LRG380-50T
450	2 x 192	390	Curve	LRG450-50T
530	2 x 230	466	Curve	LRG530-50T
600	2 x 268	542	Curve	LRG600-50T

1. Power rollers

2. Power tapered rollers

3. Gravity rollers

4. Twin gravity roller



FRAMES - STRAIGHT SECTIONS

OVERALL WIDTH	LENGTH	PART NUMBER
300mm	1500mm	L1910
300mm	3000mm	L1912
450mm	1500mm	L1914
450mm	3000mm	L1916
600mm	1500mm	L1918
600mm	3000mm	L1920

FRAMES - CURVED SECTIONS

OVERALL WIDTH	ANGLE	OUTSIDE RADIUS	PART NUMBER
300mm	90°	1220mm	L1946
300mm	45°	1220mm	L1952
450mm	90°	1220mm	L1958
450mm	45°	1220mm	L1964
600mm	90°	1360mm	L1966
600mm	45°	1360mm	L1968

RIGID SUPPORTS

FRAME WIDTH	ELEVATION RANGE	PART NUMBER
300mm	430 - 685	L1849
300mm	610 - 1016	L1851
450mm	430 - 685	L1861
450mm	610 - 1016	L1863
450mm	760 - 1320	L1865
600mm	430 - 685	L1868
600mm	610 - 1016	L1869
600mm	760 - 1320	L1870

Note: Conveyor frames and stands are available in a corrosion resistant galvanised finish. Use suffix G after the model number.

MAXIMUM CAPACITIES PER LENGTH

LENGTH	SUPPORTS	MAX LOAD
3000mm	2	400kg
3000mm	3	650kg
3000mm	5	1200kg
3000mm	LAID ON FLOOR	1800kg
1500mm	2	400kg
1500mm	3	650kg
1500mm	LAID ON FLOOR	900kg
CURVE	CENTRE ONLY	225kg
CURVE	3	400kg
CURVE	LAID ON FLOOR	450kg



Gravity Conveyors: Welded Frame

The Lemcol range of gravity conveyors will enable goods of various shapes, sizes and weights to be moved quickly, efficiently and safely from one operational stage to the next.

- Standard frames are a painted finish.
- Non-standard length rollers made to order.
- Nylon and steel wheel conveyors are available as part of this range
- Frames available in knock-down format

Note: Welded frame components are not interchangeable with the Gravity/powered conveyor series on pages 10 & 11.



110kg STEEL ROLLER (1.6mm WALL)

SUIT FRAME WIDTH	FACE WIDTH	ROLLER TYPE	MODEL
300mm	225	Single	L1770
450mm	380	Single	L1772
600mm	530	Single	L1773
300mm	2x105	Twin	L1774
450mm	2x 180	Twin	L1776
600mm	2x 255	Twin	L1779

50kg POLYPROPYLENE ROLLER

SUIT FRAME WIDTH	FACE WIDTH	ROLLER TYPE	MODEL
300mm	225	Single	L1770
450mm	380	Single	L1772
600mm	530	Single	L1773
300mm	2x105	Twin	L1774
450mm	2x 180	Twin	L1776
600mm	2x 255	Twin	L1779

60kg STEEL ROLLER (1.2mm WALL)

SUIT FRAME WIDTH	FACE WIDTH	ROLLER TYPE	MODEL
300mm	230	Single	L1787
450mm	385	Single	L1788
600mm	535	Single	L1791
300mm	2x 110	Twin	L1789
450mm	2x 185	Twin	L1790
600mm	2x260	Twin	L1793

50kg POLYPROPYLENE ROLLER WITH S/STEEL BEARINGS

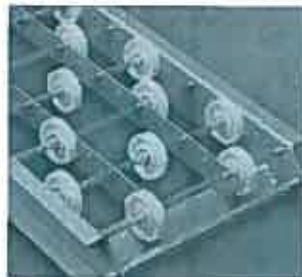
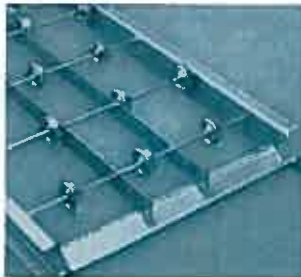
SUIT FRAME WIDTH	FACE WIDTH	ROLLER TYPE	MODEL
300mm	230	Single	L1787
450mm	385	Single	L1788
600mm	535	Single	L1791
300mm	2x 110	Twin	L1789
450mm	2x 185	Twin	L1790
600mm	2x260	Twin	L1793



Wheel Track Conveyors

Wheel tracks can be used in a wide variety of warehousing and materials handling situations. They are ideal for use in warehousing shelving for the deep storage of parcels. As the front parcel is removed, the whole line moves up to take its place.

A line of conveyor wheels are mounted in a pressed steel frame with provision for mounting to any flat surface. The wheel track utilises the same steel and nylon wheels used in the wheel conveyor, allowing choice depending on load capacity and operational use.



Wheel Conveyors

Lemcol wheel conveyors are available in two types, steel wheels for medium-weight handling and nylon wheels for lightweight use. Both systems are interchangeable and offer a choice of widths and lengths.

Wheel conveyor frames are available in both straight and curved sections. The side channel is folded into a 'C' section for strength. Sections interlock to form a positive and secure join between frames, allowing the flexibility to add or remove frames as required.

In-house manufacture allows the opportunity to provide non-standard lengths or widths on request.

'MOVING BUSINESS FORWARD'

WHEEL TRACK				
LENGTH	DIA	PITCH	STEEL WHEEL	NYLON WHEEL
3000		75	L1660-3	L2660-3
3000		150	L1660-6	L2660-6

WHEEL TRACK/CONVEYOR REPL WHEELS						
WHEEL TYPE	DIA	WIDTH	CAPACITY	BORE	HUB LENGTH	MODEL CODE
Steel	50	15	36	6.5	25	28444
Nylon	52	15	15	6.5	25	54225

WHEEL CONVEYOR STRAIGHT SECTIONS					
OVERALL WIDTH	LENGTH	PITCH	OUTSIDE RADIUS	STEEL	NYLON
300	1500	75	N/A	L1610-3	L2610-3
300	1500	150	N/A	L1610-6	L2610-6
300	3000	75	N/A	L1612-3	L2612-3
300	3000	150	N/A	L1612-6	L2612-6
450	1500	75	N/A	L1614-3	L2614-3
450	1500	150	N/A	L1614-6	L2614-6
450	3000	75	N/A	L1616-3	L2616-3
450	3000	150	N/A	L1616-6	L2616-6

WHEEL CONVEYOR CURVED SECTIONS					
OVERALL WIDTH	ANGLE DEGREES	PITCH	OUTSIDE RADIUS	STEEL	NYLON
300	90	75	1220	L1646-3	L2646-3
300	90	150	1220	L1646-6	L2646-6
300	45	75	1220	L1652-3	L2652-3
300	45	150	1220	L1652-6	L2652-6
450	90	75	1220	L1658-3	L2658-3
450	90	150	1220	L1658-6	L2658-6
450	45	75	1220	L1664-3	L2664-3
450	45	150	1220	L1664-6	L2664-6



Ball Transfers

L1753 - 45kg capacity
L1754 - 90kg capacity

These simple but very adaptable free-rolling units enable operators to transfer most flat objects in any direction on a horizontal plane.

They are especially suited for transferring goods from one conveyor line to another, the movement of boxes or parts around machines, shifting commodities on or off scale-platforms and manipulating heavy steel plates around presses and guillotines.