

CDLR - STRAIGHT



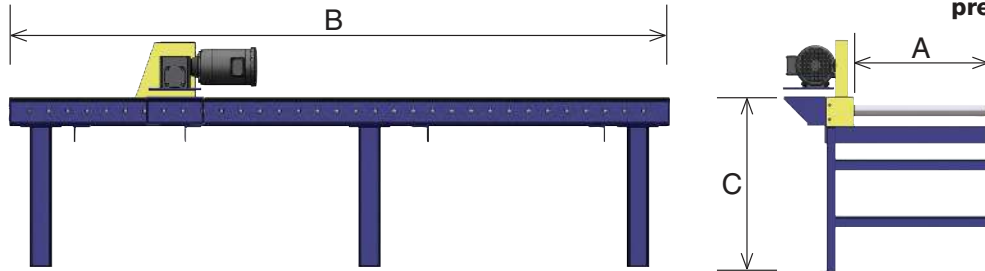
CHAIN DRIVEN LIVE ROLLER CONVEYOR

Chain Driven Live Roller (CDLR) Conveyors are ideal for transporting loaded pallets, tires, drums or other heavy items. The welded construction makes them rugged and durable enough to handle even the toughest conditions. The sprocketed rollers and roll to roll chain system provide positive driving power to the product.

SPECIFICATIONS

- Lengths in any increment up to 50'
- Effective width in any increment 12" to 96"
- Up to 80 FPM max speed
- Up to 6000 lbs. per product load capacity
- Floor supports, side guides and end stops available
- Powder coat finish standard

***Expanded product parameters and zero pressure options available**



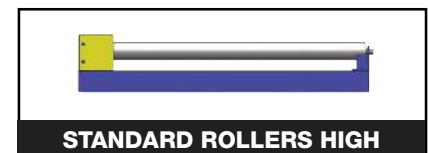
Ref.	1.9"	2.5" - 2.6"	3.5"
A	12" - 54"	12" - 64"	12" - 96"
B	3' - 50'		
C	12" - 48"		

A = Effective Width
B = Overall Length (OAL)
C = Top of Roller (TOR)

ROLLER SPACING, CHAIN AND SPROCKET DETAILS

LACING OPTIONS	CHAIN SIZE	MINIMUM ROLLER SPACING			
		1.9"	2.5"	2.6"	3.5"
STANDARD LACING - CHAIN GUARD ONE SIDE					
	40	3 1/2"	4"	4"	N/A
	50	3 3/4"	4 3/8"	4 3/8"	N/A
	60	4 1/8"	4 1/2"	4 1/2"	6"
	80	N/A	N/A	5 1/2"	6 1/2"
SPECIAL LACING - WIDER CHAIN GUARD ONE SIDE					
	40	2 3/4"	3 1/2"	N/A	N/A
	50	3 1/8"	3 7/16"	3 3/4"	N/A
	60	N/A	3 3/4"	3 3/4"	4 7/8"
	80	N/A	N/A	N/A	5"
POWER BOTH SIDES - CHAIN GUARD BOTH SIDES					
	40	2 1/4"	2 3/4"	2 3/4"	N/A
	50	2 1/2"	2 13/16"	2 13/16"	N/A
	60	2 3/4"	3"	3"	3 3/4"
	80	N/A	N/A	3 1/4"	3 3/4"

ROLLER CONFIGURATIONS



ROLLER DIAMETER	SPROCKETS AND CHAINS	TUBE DETAIL		AXLE DETAIL			MAX LOAD	FRAME
	Series	Wall Thickness	Material	Size	Type	Retention*	lbs.	Structural Channel
1.9"	40 Series	0.145"	Mild Steel or Galvanized	7/16"	Hex	Spring or Pin	1500	5 x 6.7#
	50 Series	0.145"	Mild Steel or Galvanized	7/16"	Hex	Spring or Pin	1500	5 x 6.7#
	60 Series	0.145"	Mild Steel or Galvanized	7/16"	Hex	Spring or Pin	1500	6 x 8.2#
2.5"	40 Series	11 ga.	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	2500	5 x 6.7#
	50 Series	11 ga.	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	2500	5 x 6.7#
	60 Series	11 ga.	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	2500	6 x 8.2#
2.6"	40 Series	0.180"	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	3500	5 x 6.7#
	50 Series	0.180"	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	3500	5 x 6.7#
	60 Series	0.180"	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	3500	6 x 8.2#
	80 Series	0.180"	Mild Steel or Galvanized	11/16"	Hex	Spring or Pin	3500	6 x 8.2#
3.5"	60 Series	0.300"	Mild Steel	1-1/16"	Hex	Pin	6000	7 x 9.8#
	80 Series	0.300"	Mild Steel	1-1/16"	Hex	Pin	6000	8 x 11.5#

*Dependent upon between frame dimension

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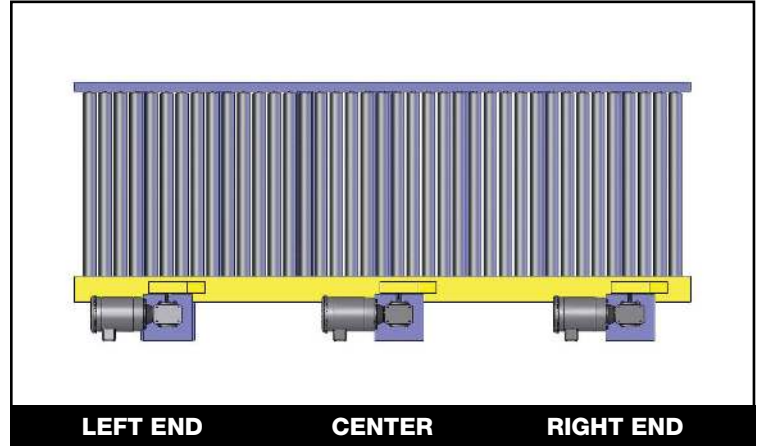
DRIVE SPECIFICATIONS

208-230/460VAC - 3 PHASE - 60 Hz

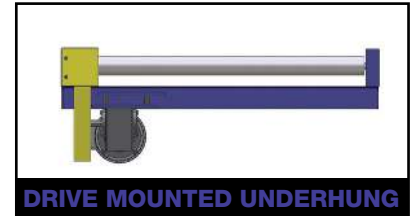
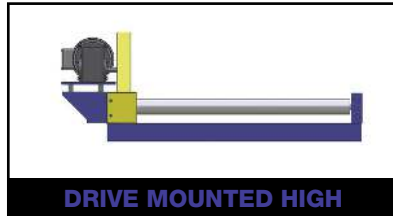
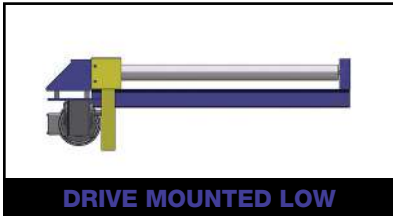
- Totally enclosed fan cooled
- 1750 RPM
- Inverter capable 4:1 speed ratio
- 1.00 service factor
- Sealed worm gear "C" face speed reducer

115/230VAC - 1 PHASE - 60 Hz

- Totally enclosed fan cooled
- 1750 RPM
- 1.15 service factor
- Sealed worm gear "C" face speed reducer



DRIVE MOUNTING OPTIONS AVAILABLE



GENERAL HP GUIDELINES

ROLLER	PRODUCT WEIGHT	UP TO 10'			UP TO 20'			UP TO 30'			UP TO 40'			UP TO 50'		
		2 PRODUCTS			4 PRODUCTS			6 PRODUCTS			8 PRODUCTS			10 PRODUCTS		
		30 FPM	45 FPM	60 FPM	30 FPM	45 FPM	60 FPM	30 FPM	45 FPM	60 FPM	30 FPM	45 FPM	60 FPM	30 FPM	45 FPM	60 FPM
1.9	500	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	1/2	3/4	1	3/4	1	1-1/2
	1000	1/2	1/2	3/4	1/2	3/4	3/4	3/4	1	1-1/2	3/4	1-1/2	1-1/2	1	1-1/2	2
2.5	2000	1/2	3/4	3/4	3/4	1-1/2	1-1/2	1-1/2	2	N/A	1-1/2					
	2500	1/2	3/4	1	1	1-1/2	2	1-1/2	2							
2.6	3000	3/4	1	1-1/2	1-1/2	2	N/A	2								
	3500	3/4	1	1-1/2	1-1/2	2										
3.5	4000	1	1-1/2	1-1/2	2											
	6000	1-1/2	2													

- Multiple drives or conveyor sections may be needed to meet your application capacity/speed requirements
- Other roller, speed and horsepower combinations are available

ROLLER CAPACITY INFORMATION

The Maximum Roller Capacity chart is designed to help determine the size of the roller required for a given load and length. Use only 2/3 of the rollers under the product when calculating the required roller capacity because the conveying surface of products may not always be flat.

NON-PRECISION BEARING (NP)

Non-Precision bearings are made of a stamped metal housing with very loose tolerances. They are not intended for very heavy loads or high speeds.

PRECISION BEARINGS (P)

Precision Bearings are made from high quality steel, heat treated to uniform hardness and ground to a micro finish. The tolerances are much tighter than semi-precision bearings making them capable of greater speeds and load capacities but sensitive to axle deflection causing misalignment.

