



## Professional Packaging Systems

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## Contact

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# Roach 192CDLR Medium-Duty Roll-to-Roll Chain Driven Live Roller Conveyor

## At a Glance

- Safely transport big loads
- Move tote pans, castings, drums or pallet loads
- Chain driven live rollers

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.



## Chain Driven Conveyor Transports Totes, Drums & Pallet Loads

The Roach 192CDLR medium-duty chain driven live roller conveyor is designed to transport loads such as tote pans, castings, drums or pallet loads.

## Specifications

**Tread Rollers:** 2-1/2" dia. to 1-11/16" dia. x 14 ga. steel tapered rollers, model 254T; 1.9" dia. x 16 ga. steel straight tangent rollers, model 196S.

**Roller Centers:** 1-9/16" measured at inside radius of unit.

**Pressure Sheaves:** Provides drive belt pressure to upper tread rollers.

**Belt:** B section V-belt.

**Take-Up:** Screw type adjustable sheave with flat idler sheaves to maintain belt tension.

**Tangents:** 1'-0" both ends on 90°; 1'-6" both ends on 45°; 1'-0" both ends on 180° degrees. Tangent roller centers provided on 3" RC.

**Bed:** 7" x 1-1/2" x 12 ga. formed steel channel frame.

**Speed:** 60 FPM, constant.

**Bearings:** End shafts are supported by precision, heavy duty, lubricated, ball bearing units with cast iron housings.

**Roller Chain:** Drive shaft is driven by No. 50 chain.

**Motor Drive:** 1/3 HP, 230/460/3, 60 cycle, ODP right angle gear motor, located at infeed end of curve below bed on 45° degree and 90° degree curves; 3/4 HP supplied on all 180° degree curves.

**Drive Location:** Drive located on outside of curve. Specify left hand tangent length, right hand tangent length and drive location (left hand drive or right hand drive). Note: Drive hand determined with reference point located at outside of curve. For models slave driven (less drive), specify drive shaft location.

**Capacity:** 500 lb. total distributed live load.

## Options

**Speed:** Constant speed 1.5-100 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available. Note: Capacity changes with speed. 100 FPM Max with roll-to-roll chain drive.

**Motors:** Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

**Floor Supports:** Supports, knee braces, casters and polytier supports available.

**Undertrussed Bed:** Available to provide clearance underneath unit at bed joint locations. Specify location for undertrussing and desired clearance underneath unit.

**Guard Rails:** 1-3/4" x 1" formed channel (model GC), adjusts horizontally to 8" wider than roller and vertically to 6" above roller; formed steel fixed (model FSG) in 2", 4" and 6" heights; fixed channel (model FC); 1-1/2" angle (model GA1-1/2).

**Ceiling Hangers:** 5/8" dia. threaded rod with hardware to attach rods to conveyor. Provides 6' clearance between ceiling and TOR (furnished in place of floor supports).

**Electrical Controls:** Magnetic starter; one direction manual starter; momentary start/stop push button station; limit switch, photo relay; others available.

Please [contact Pro Pac](#) or call 888-318-0083 for your conveyors.

## Horsepower & Drives

HP @ 45 FPM	A MAX	B MAX
1/3	13-1/8"	49-1/2"
1/2	13-1/8"	49-1/2"
3/4	13-1/2"	49-1/2"
1	13-3/4"	50-1/16"
1-1/2	14-5/8"	50-3/8"
2	15-1/2"	52-1/16"

## Conveyor Lengths & Unit Weights for 4" & 8" Roller Centers

Length	Surface	BF	5'		10'		20'		30'		40'		50'		60'		70'		80'	
			4" RC	8" RC	4" RC	8" RC	4" RC	8" RC	4" RC	8" RC	4" RC	8" RC	4" RC	8" RC	4" RC	8" RC	4" RC	8" RC	4" RC	8" RC
12"	15"	334	291	509	431	859	703	1209	948	1659	1247	1909	1519	1790	2065	2340				
18"	21"	372	319	572	474	969	773	1367	1073	1764	1372	2161	1671	1971	2276	2581				
24"	27"	409	351	634	516	1079	843	1524	1170	1969	1497	2414	1824	2251	2476	2801				
30"	33"	452	379	697	559	1190	914	1683	1269	2175	1623	2668	1978	2333	2688	3043				
36"	39"	469	406	739	600	1278	950	1817	1340	2356	1720	2895	2100	2480	2865	3250				
42"	45"	524	430	819	640	1407	1049	1994	1457	2581	1865	3169	2274	2684	3099	3514				
48"	51"	562	463	882	683	1517	1119	2152	1555	2788	1992	3423	2428	2864	3299	3734				

## Conveyor Lengths & Unit Weights for 6" & 12" Roller Centers

Length		5'		10'		20'		30'		40'		50'		60'		70'		80'	
Surface	BF	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC	6" RC	12" RC
12"	15"	307	285	457	405	755	651	1053	897	1351	1143	1647	1389	1946	1634	2246	1884	2546	2134
18"	21"	341	301	506	441	837	707	1169	974	1500	1240	1831	1506	2163	1773	2493	2043	2823	2313
24"	27"	370	331	555	476	921	763	1287	1050	1653	1337	2019	1624	2385	1911	2755	2201	3125	2491
30"	33"	405	358	605	513	1006	822	1407	1131	1807	1439	2208	1748	2609	2057	3009	2367	3409	2677
36"	39"	418	363	633	528	1066	856	1499	1184	1932	1512	2365	1840	2798	2168	3228	2498	3658	2828
42"	45"	465	406	700	581	1169	931	1637	1280	2105	1629	2574	1979	3044	2330	3514	2680	3984	3030
48"	51"	499	432	749	617	1251	987	1753	1357	2256	1728	2753	2090	3260	2468	3760	2838	4260	3208

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