



Professional Packaging Systems

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Roach 796LSC Medium-Duty Line Shaft Curve Conveyor

At a Glance

- Medium-duty line shaft driven
- Tapered rollers to help product maintain orientation
- No drive required since it is driven from 796LS

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.



Curved Medium Duty Conveyor Has Tapered Rollers

The Roach 796LSC medium duty line shaft driven curve features tapered rollers to help maintain product orientation and is designed to be driven from 796LS line shaft driven conveyor, thus reducing the overall number of drives required.

Specifications

Tread Rollers: 2-1/2" dia. to 1-11/16" dia. x 14 ga. steel tapered rollers, model 254T.

Drive Belt: 3/16" dia., polyurethane belts. Nominal 15 lbs. per roller drive.

Drive Shaft: 1" dia. C1018 cold rolled steel shaft, located on inside radius. Note: Spools are keyed to provide positive drive (designed not to slip on drive shaft).

Couplings: Couplings located both ends (type A) or one end only (type B or C).

Tangents: 1'-0" both ends on 60° and 90°; 1'-6" both ends on 30° and 45°. 1'-0" infeed, 1'-0" discharge and no center tangent on 180°. Tangent roller centers 3" RC.

Bearings: Precision, lubricated, ball bearing units with steel housings. 6 per 90° and 60° curve; 4 per 45° and 30°.

Universal Joints: 4 per 90° and 60° curve; 2 per 45° and 30° curve.

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

Motor Drive: Driven by 796LS.

Options

Floor Supports: Supports, knee braces, casters, polytier supports & ceiling hangers available.

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).

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

Roach 796LSC Curves and Roller Centers

BF	Inside Radius	IR/RC OR/RC	Roller Centers			
			30°	45°	60°	90°
15"	32-1/2"	IR/RC	2.84"	2.84"	2.84"	2.84"
		OR/RC	4.15"	4.15"	4.15"	4.15"
19"	32-1/2"	IR/RC	2.84"	2.84"	2.84"	2.84"
		OR/RC	4.49"	4.49"	4.49"	4.49"
21"	32-1/2"	IR/RC	2.84"	2.84"	2.84"	2.84"
		OR/RC	4.67"	4.67"	4.67"	4.67"
25"	32-1/2"	IR/RC	2.84"	2.84"	2.84"	2.84"
		OR/RC	5.02"	5.02"	5.02"	5.02"
27"	32-1/2"	IR/RC	2.84"	2.84"	2.84"	2.84"
		OR/RC	5.19"	5.19"	5.19"	5.19"
33"	48"	IR/RC	3.14"	2.90"	3.14"	2.90"
		OR/RC	5.30"	4.89"	5.30"	4.89"
39"	48"	IR/RC	3.14"	2.90"	3.14"	2.90"
		OR/RC	5.69"	5.26"	5.69"	5.26"

Roach 796LSC Curves and Radii

Curve	180°		90°		60°		45°		30°	
	Tapered Rollers*	Wt. (lbs)	Tapered Rollers*	Wt. (lbs)	Tapered Rollers*	Wt. (lbs)	Tapered Rollers*	Wt. (lbs)	Tapered Rollers*	Wt. (lbs)
15"	36	404	18	229	12	180	9	169	6	146
19"	36	498	18	280	12	206	9	200	6	169
21"	36	545	18	305	12	210	9	216	6	180
25"	36	639	18	355	12	238	9	247	6	202
27"	36	687	18	381	12	250	9	262	6	214
33"	52	828	26	456	16	323	13	309	8	247
39"	52	970	26	532	16	370	13	355	8	281

* Roller quantities in tangents: 1'-0" = 4 rollers; 1'-6" = 6 rollers per tangent.

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