

# MODEL 796LSC

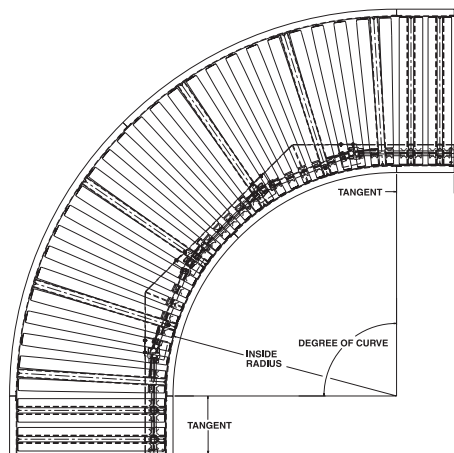
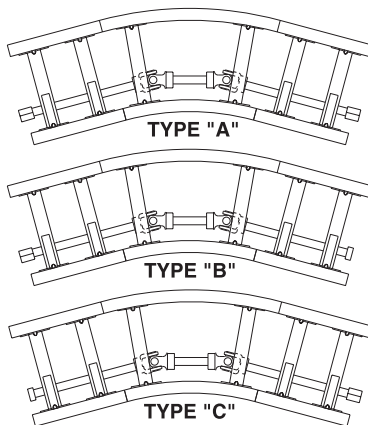
## LINE SHAFT DRIVEN CURVE MODULE



Conveyor shown with optional supports

Roach line shaft driven curve, module 796LSC, 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.

### LINE SHAFT CURVE COUPLINGS



### 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"). See 'line shaft curve couplings' above and specify.

**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.

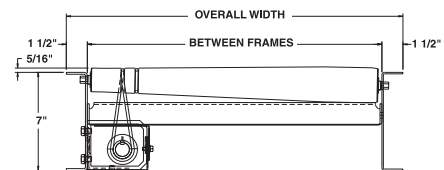
**MOTOR DRIVE:** Driven by 796LS.

**SPECIFY MODEL NUMBER PER EXAMPLE**  
796LSC090-21-1212\*

796LSC (curve degree)-(between frames)-(left tangent length, right tangent length)

Available in 30°, 45°, 60°, 90° and 180°.

\*Not required for 180° curves. ONLY specify center tangent length if center tangent required (center tangent not available in 24 hour shipment).



### OPTIONAL EQUIPMENT

**FLOOR SUPPORTS:** See Conveyor Accessories.

**GUARD RAILS:** See Conveyor Accessories.

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

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

CURVE	180°		90°		60°		45°		30°	
BF	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