

# FMC19T

## FLAT MOTOR CURVE (Tapered rollers)

The FMC19T live roller curves are compatible with straight sections and spurs providing flexibility to your conveyor line. Dependent upon the degree, each curve includes one or two motors.

- 12 widths
- 24 VDC motors
- Tapered tread rollers
- 30, 45, 60 and 90 degree curves



BETWEEN FRAME WIDTH	OVERALL FRAME WIDTH	INSIDE RADIUS	NUMBER OF ROLLERS				WEIGHT (LBS.)	
			30°	45°	60°	90°	30° & 60°	60° & 90°
13"	16"	24"	5	8	10	16	110	200
15"	18"		7	10	14	20	121	220
17"	20"		7	10	14	20	132	240
19"	22"		7	10	14	20	143	260
21"	24"		7	10	14	20	154	280
23"	26"		7	10	14	20	165	300
25"	28"	32-1/2"	7	10	14	20	171	310
27"	30"		7	10	14	20	178	325
31"	34"		10	14	22	30	274	495
33"	36"		10	14	22	30	286	520
37"	40"		10	14	22	30	311	565
39"	42"		10	14	22	30	325	590

### STANDARD SPECIFICATIONS

**BED** – 6 1/2 in. deep x 1 1/2 in. flange x 12 ga. powder coated steel channel with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized rollers.

**CURVES** – 30, 45, 60 and 90 degree curves. 24 in., 32 1/2 in. or 48 in. radius dependent upon between frame widths.

**MOTOR** – 24 VDC flat motor mounted on inside of conveyor frame. Two motors within 60 and 90 degree curves, one motor within 30 and 45 degree curves.

**MOTOR DRIVER CARD** – One required for each motor

**DRIVE/SLAVE BELTS** – 3/16 in. dia. urethane belts from motor drive spool to rollers and roller to roller

**POWER SUPPLY** – Not included. Typically powered from straight section power supply.

**CONVEYING SPEED** – 50-174 FPM. Selectable on motor drive card.

### OPTIONAL EQUIPMENT

**FLOOR SUPPORTS** – SMS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces included on SMS-7 support and above.

**POWER SUPPLY** – 5 AMP power supply is available for stand-alone curves (3 motors maximum)

**SLAVED TANGENTS** – 3 in. or 6 in. tangents slaved from curve with urethane O-ring belts

**POWERED TANGENTS** – 9 in., 12 in., 15 in., 18 in. or 21 in. tangents including one 24 VDC motor and motor driver card

**GUIDE RAILS** – Adjustable channel guide rail and fixed angle guide rails. Note: If product comes into contact with guide rails, product flow may be affected.

**OTHER ACCESSORIES** – Poly-tier supports, ceiling hangers. See accessory section.

