

FMS19T

FLAT MOTOR CONVEYOR (1.9 in. dia. x 16 ga. rollers)

The FMS19T live roller conveyor is ideal for transporting boxes or totes. Tread rollers are powered by 24VDC motors making it simple to install and maintain. It is also quiet to operate.

- 12 widths
- 24 VDC motors
- Quiet operation



	CONVEYOR WEIGHT (LBS.)											
	BETWEEN FRAME WIDTH											
	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
	OVERALL FRAME WIDTH											
	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
10' LENGTH	310	325	340	355	370	385	400	410	435	450	480	495
PER FOOT	19	20	21	23	24	26	27	28	31	32	35	36

Note: Bed sections are available from 2 ft. to 10 ft. in 6 in. increments

STANDARD SPECIFICATIONS

BED – 6 1/2 in. deep x 1 1/2 in. flange x 12 ga. powder painted formed steel channel frame with 1.9 in. dia. x 16 ga. galvanized tread rollers spaced on 3 in. centers. Sections bolted together with butt couplings.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide squaring adjustment and ensure correct product tracking. One set of turnbuckles are supplied for every 50 ft. of conveyor.

MOTOR – 24 VDC flat motor mounted on inside of conveyor frame. Maximum of 16 rollers can be slaved by each motor.

MOTOR DRIVER CARD – One required for each motor

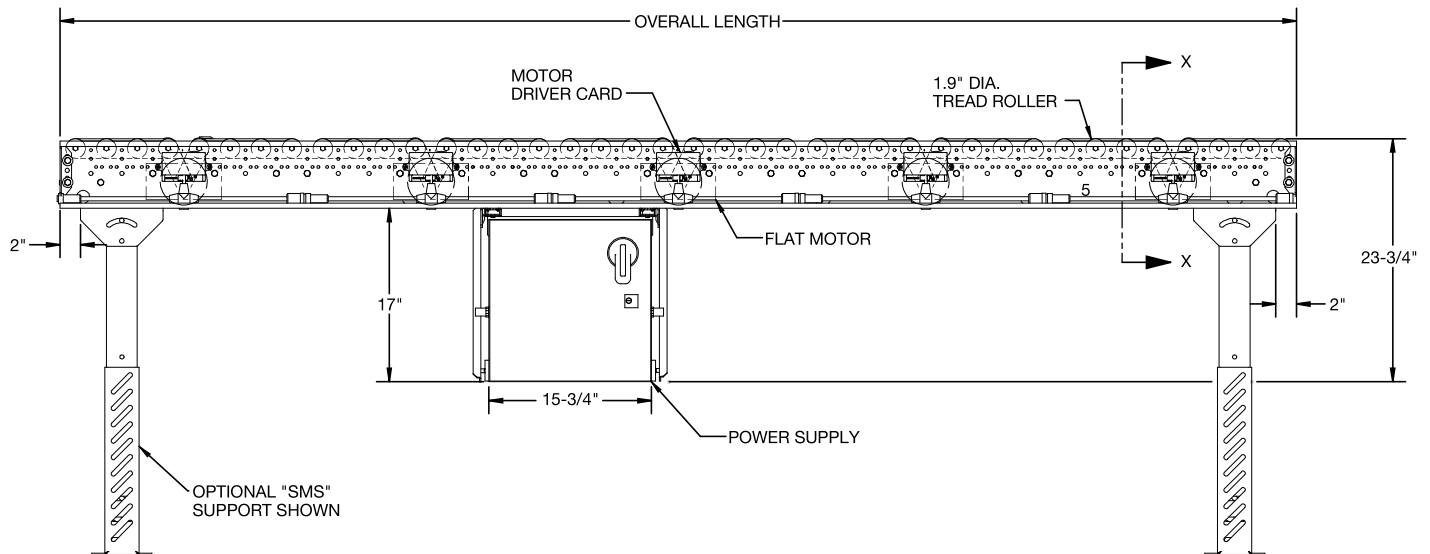
DRIVE/SLAVE BELTS – 3/16 in. dia. urethane belts from motor drive spool to rollers and roller to roller

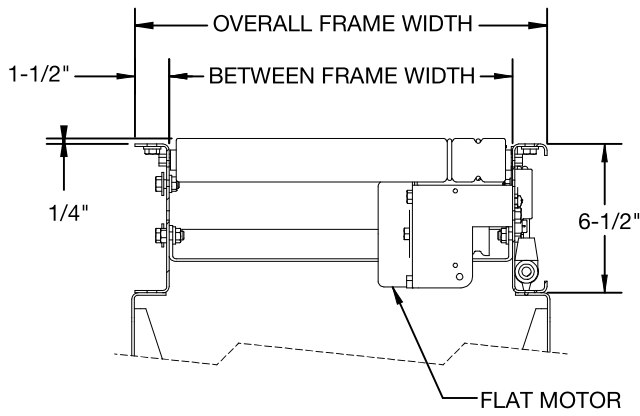
POWER SUPPLY – 40 AMP DC power supply to power motors. 115/230 VAC single phase input, 24 VDC output. Mounted near center of conveyor.

BEARINGS – Tread rollers have grease packed ball bearings

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

CAPACITY – Maximum load of 37 lbs. per linear not to exceed 75 lbs. per motor. If products will be loaded "back to back", (see next page for chart) for capacity per linear foot.





CAPACITY IF PRODUCTS ARE LOADED BACK TO BACK		
BED SECTION LENGTH	NO. OF MOTORS IN SECTION	CAPACITY (LBS. PER FOOT)
2'-0"	1	37
2'-6"		30
3'-0"		25
3'-6"		21
4'-0"	2	19
4'-6"		33
5'-0"		30
5'-6"		27
6'-0"		25
6'-6"		23
7'-0"		21
7'-6"		20
8'-0"	3	19
8'-6"		26
9'-0"		25
9'-6"		23
10'-0"		22

OPTIONAL EQUIPMENT

FLOOR SUPPORTS – SMS type floor supports are available with a wide range of adjustment. Specify top of 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 – Other power supplies are available based on system need.

- 5 AMP power supply (3 motors maximum)
- 10 AMP power supply (10 motors maximum)
- 20 AMP power supply (20 motors maximum)

ROLLER CENTERS – Tread rollers spaced every 2 in.

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.