

190-E24

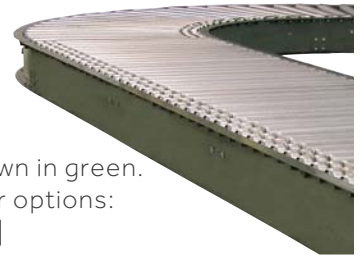
24VDC Live Roller Conveyor

The model 190-E24 24VDC Live Roller Conveyor uses a series of 24VDC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. Quiet operation and ease of maintenance and installation are just some of the advantages.

- All-Electric Operation
- Adjustable MS-Type Floor Supports Available

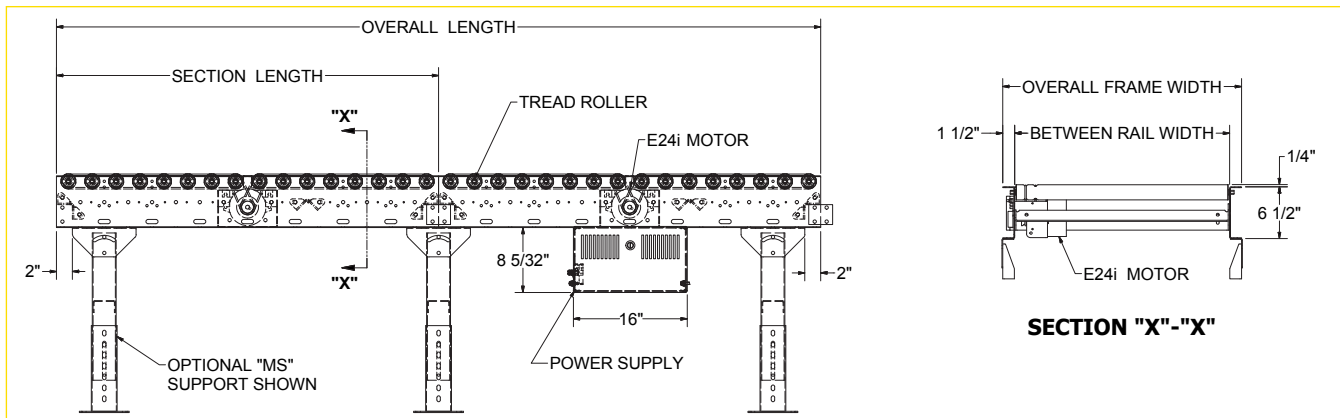


Conveyor shown in green. Standard color options:



Section Length	Between Rail Width	15"	21"	27"	33"	39"
	Overall Frame Width	18"	24"	30"	36"	42"
10' 0"	Weights (lbs.)	325	370	410	450	495
Per Foot	Weights (lbs.)	20	24	28	32	36

Note: Section lengths are available from 2 ft. to 10 ft, in 6 in. increments. Motors are mounted on various centers, and will slave a maximum of 16 rollers. Includes: motor, control board, o-rings, frame, and slaved rollers.



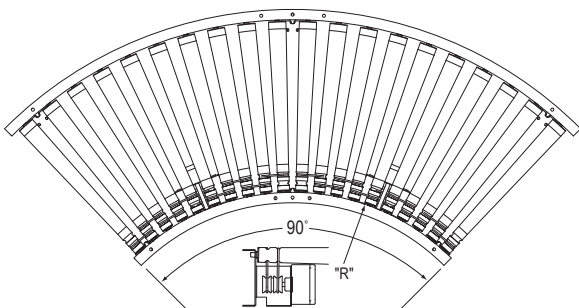
190-E24C

24VDC Live Roller Curve Conveyor

- All-Electric Operation
- Adjustable MS-Type Floor Supports Available



Between Rail Width	Overall Frame Width	"R"	Number of Rollers	90° and 60° Weights (lbs.)	45° and 30° Weights (lbs.)
15"	18"			220	121
21"	24"	32 1/2"	20	280	154
27"	30"			325	178
33"	36"	48"	30	520	286
39"	42"			590	325



All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

BED (E24) – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube and bearings spaced every 3 in. Mounted set-high in 6 1/2 in x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

BED (E24C) – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized rollers. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

MOTOR – 24VDC motor with integrated control card located along section on the inside of the BR on straight section only. Maximum slaved rollers is 16 per each motor.

SLAVE O-RINGS – 3/16 in. dia. polyurethane o-rings slave-driven tread rollers from motor.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 24 volt fixed output. Maximum of 40 motors per power supply. 12VA, 8.6 Amp input. Mounted near center of conveyor. Note: Number of motors per power supply is based on the use of standard Hytrol o-rings. Other o-rings are available that may increase load capacity, but reduce the number of motors that may be powered from one power supply. Contact factory for more information.

CONVEYING SPEED – 25 to 254 FPM, set on integrated motor control card.

CROSS BRACKING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section, 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

Optional Equipment

FLOOR SUPPORTS – MS 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 recommended above MS-6 support.

POWER SUPPLY (MOTORS) – 20 Amp power supply available, 20 motors maximum. 5 Amp power supply available, 3 motors maximum. 480 Volt Power Supplies also available.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

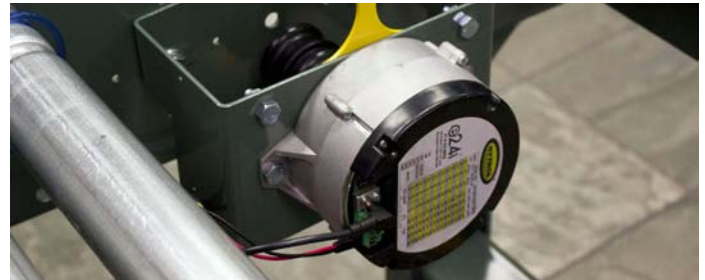
190-E24 & 190-E24C

Section Length	Number of Motors in Section	Capacity (lbs. per foot)
2' 0"		37
2' 6"		30
3' 0"	1	25
3' 6"		21
4' 0"		19
4' 6"		33
5' 0"		30
5' 6"		27
6' 0"	2	25
6' 6"		23
7' 0"		21
7' 6"		20
8' 0"		19
8' 6"		26
9' 0"	3	25
9' 6"		23
10' 0"		22

CAPACITY – Maximum 37 lbs. per foot with a maximum capacity per E24 motor of 75 lbs. If loading product back-to-back use the following chart:

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Capacity is based on the use of standard Hytrol o-rings. Other o-rings are available that may increase load capacity, but reduce the number of motors that may be powered from one power supply. Contact factory for more information.



CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

GUARD RAILS – Adjustable Universal Channel Guard Rail, type A and B angle (see Accessory section). Note: If product comes in contact with guard rails, product flow will be affected.

MOTOR AND SEPARATE CONTROL CARD – Available with 3 Amp setting.

TANGENTS – Slaved and Powered type available. Motors mounted on outside of channel.