

NBEZ

Live Roller Conveyor (Zero Pressure Accumulating Type)

The Model NBEZ is a horizontal narrow belt driven live roller conveyor, designed for applications that require accumulation of products without a build-up of line pressure while providing conveyor solutions for high-throughput, high density and utilizing 24VDC electro-magnet actuation to engage the pressure carriage to drive the rollers.

- EZLogic® Accumulation System
- All Electric Accumulation
- Dense Product Accumulation
- Endless Splice Belt
- 1.9" Diameter Rollers with ABEC-1 Bearings
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports



EZLOGIC

U.S. Patent Numbers
7,243,781 • 7,591,366
7,905,345 • 10,081,492
Other Patents Pending.



Between Rail Width	15"	21"	27"	33"	39"
Overall Frame Width	18"	24"	30"	36"	42"
Base Weight	574	634	694	754	814
Weight Per Foot	18	24	30	36	42

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

Note: Bed sections available in the following multiples:

24" Zones—2', 4', 6', 8', 10', & 12'

36" Zones—3', 6', 9' & 12'

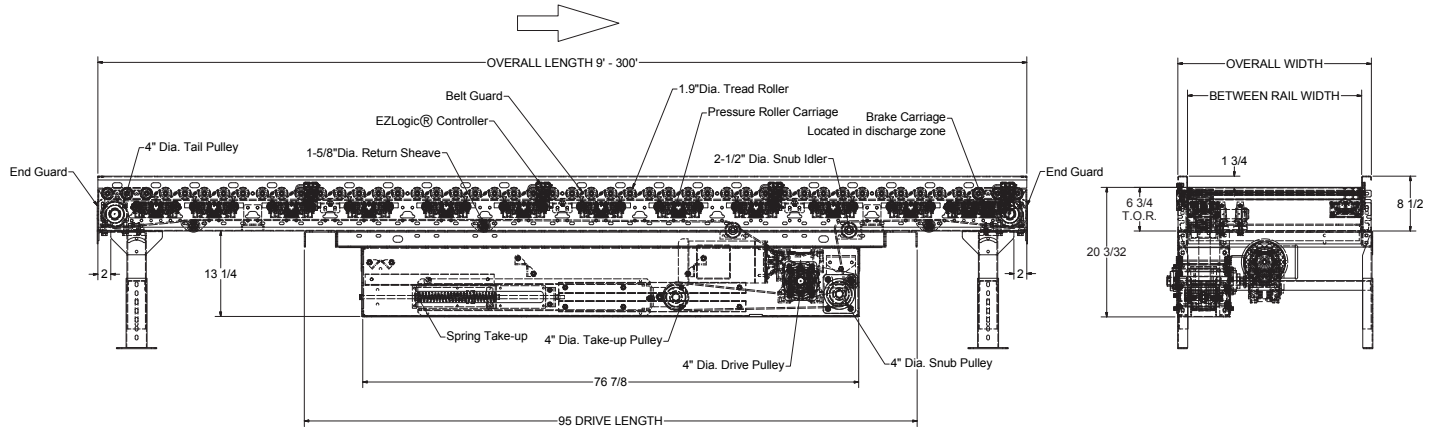
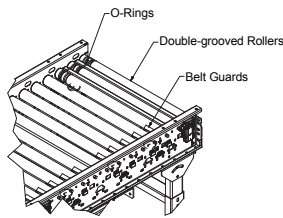
Overall length must be divisible by zone length.

Total Weight = 12' Base Weight + per foot weight x extra length

Base Weight - 12' Section w/Drive & Tails

HOW IT WORKS

The conveyor is divided into accumulation zones. Each zone extracts power from a flat drive belt that runs the entire length of the conveyor. The drive belt is electrically lowered away from the tread rollers, causing product in that zone to stop. Hytrol's EZLogic® Zone Controllers sense product presence and control the accumulation and release of product from the zones.



SET LOW SHOWN WITH STANDARD DRIVE
(Located in the First Bed Section 9' or Longer from Infeed End)
Minimum Elevation: 20" Top of roller



• STANDARD SPECIFICATIONS

BED— Roller bed with 1.9in. dia. rollers x 16ga. Galvanized tube with ABEC-1 bearings spaced every 3 in. mounted in 8-1/2 in x 12 ga. Powder painted formed steel channel frame bolted together with butt couplings.

BELT— 45MM wide polyurethane thermoplastic with aramid cords and endless splice.

CENTER DRIVE— Can be placed on any conveyor section 9ft – 0 in. or longer; spring take-up which provides 32 in. of belt take-up.

GEARMOTOR— Shaft-mounted hollow bore

BRAKE— Full zone at discharge.

SPEED RANGE— 51 – 275 FPM

SET LOW CHANNEL— 8-1/2" deep "C" channel.

EZLogic® ZONE CONTROLLER – Located in each zone. Retro-reflective. NEMA 1,2, IP 62. UL approved.















IOP—Provides 27VDC, 100 watt power for EZLogic® accumulation system - contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

ACCUMULATION ZONES— 24 and 36 in. long electrically actuated. Note: Over 50 zones require an additional IOP, isolation cable and power supply T cable.

CAPACITY— Maximum load per zone 75 lbs.

PRESSURE FRAME CARRIAGE— Located on 12 in. centers and contains two Delrin rollers to drive four tread rollers when electrically actuated

DEFAULT EZLogic CONFIGURATION SETTINGS:

	Sleep Timer	5 Seconds	>
	Singulate/Slug	Slug Only	>
	Zone Output Mode	Off To Stop	>
	Jam Protection Status	Enabled	>
	Diffuse Sensitivity Setting	5	>
	Zone Operating Mode	Fixed Zone Length	>
	Sensor Configuration	Sensor #1 Only	>
	Zone Stop Mode	Static	>
	Accumulation Delay	Disabled	>
	Loading Zone Function	Disabled	>
	Unloading Zone Function	Disabled	>
	Special Logic Function	High Speed Accumulation	>
	Auxiliary Input Mode	Zone Stop (Active to Stop)	>
	Auxiliary Output Mode	Photo-eye Beam Status (NO)	>

• 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.

BRAKES—4-roller Electro-magnetic brakes located at the discharge of zone and can be placed in any or all zones.

GUARD RAILS—Adjustable Universal Channel Guard Rail. See Accessory section. **Note:** If product comes into contact with Guard Rails, product flow will be affected. Fixed channel overlapping-one direction.

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

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

EZLogic® – See EZLogic® Components Page.

BELT SPLICE KIT— Includes press, finger cutter and guide rail.