ABLR

Live Roller Conveyor

The model ABLR is a horizontal belt-driven live roller conveyor designed to transport medium to heavy cartons. Applications vary from manufacturing to distribution operations.

- Center Drive
- Reversible
- Adjustable MS-Type Floor Supports Available

Conveyor shown in blue.
Standard color options:

Between Rail Width	15"	21"	27"	33"	39"
Overall Frame Width	18"	24"	30"	36"	42"
10' Base Weight	670	739	808	877	946
Weight Per Foot	31	37	43	49	55

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
Total Weight = 10 ft. base weight + Per foot weight x Extra length

Load Capacity Chart @ 65 FPM

HP	Overall Frame Width 18" Total Load (lbs.)		Overall Frame Width 24" To 30" Total Load (lbs.)		Overall Frame Width 36" To 42" Total Load (lbs.)	
	Up to 50'	Up to 100'	Up to 50'	Up to 100'	Up to 50'	Up to 100'
1/2	550	100	300	–	–	–
1	1650	1200	1400	800	1100	–
2	3500	3000	3200	2600	2900	1650

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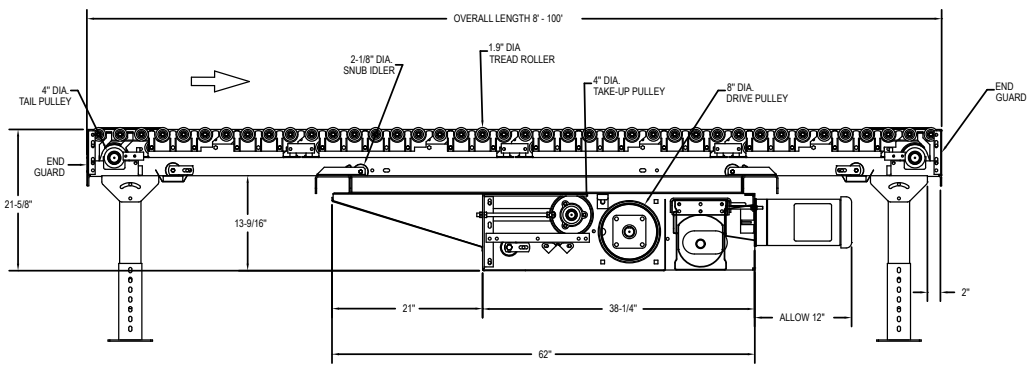
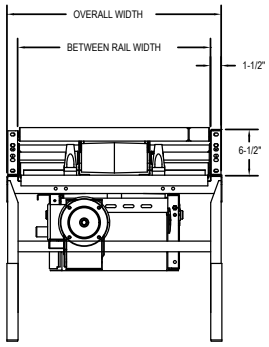
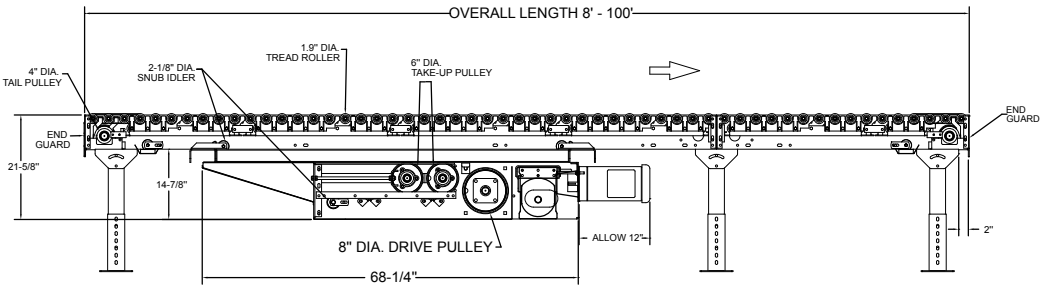




SECTION "X-X"

STANDARD DRIVE

Located in first bed section 8' or longer from infeed end.



HIGH PERFORMANCE DRIVE

Located in first bed section 9' or longer from infeed end.

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Standard Specifications

BELT – 6 in. black TMPH90MF0XB.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with butt coupling.

CROSS BRACING – 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.

CENTER DRIVE – Can be placed in any section of conveyor 7 ft. 6 in. or longer. Center drive is 18 in. OAW on all widths.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings.

TAIL PULLEY – 4 in. dia. with 1 7/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups in center drive. Provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulleys. Pre-lubricated ball bearings in tread and pressure rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 75 lbs. Total load NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

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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.

CONVEYING SPEED – Other constant and variable speeds. 17 FPM – 400 FPM. V-belt drive supplied under 17 FPM. Note: Capacity affected with speed change.

HIGH PERFORMANCE UNDERSIDE CENTER DRIVE – Required on units over 100 ft. long. Maximum length: 200 ft. (used with 2 HP, 3 HP, or 5 HP motor and reducers).

SIDE MOUNTED LOW ELEVATION CENTER DRIVE – Motor reducer unit mounted to side of conveyor. Minimum low elevation16 in. with old style and 18 in. with new style.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

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.

PACKAGE STOP – Angle and raised roller end stops.

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

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

MOTOR – Energy efficient, single phase, other characteristics. 2 HP maximum.

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.