

Model **TL** Heavy Duty Horizontal Belt Conveyor

The Model TL with its rugged, heavy-duty construction is ideally used for long assembly line operations, inspections, testing, sorting, and packing. Can be floor-supported or ceiling-hung.

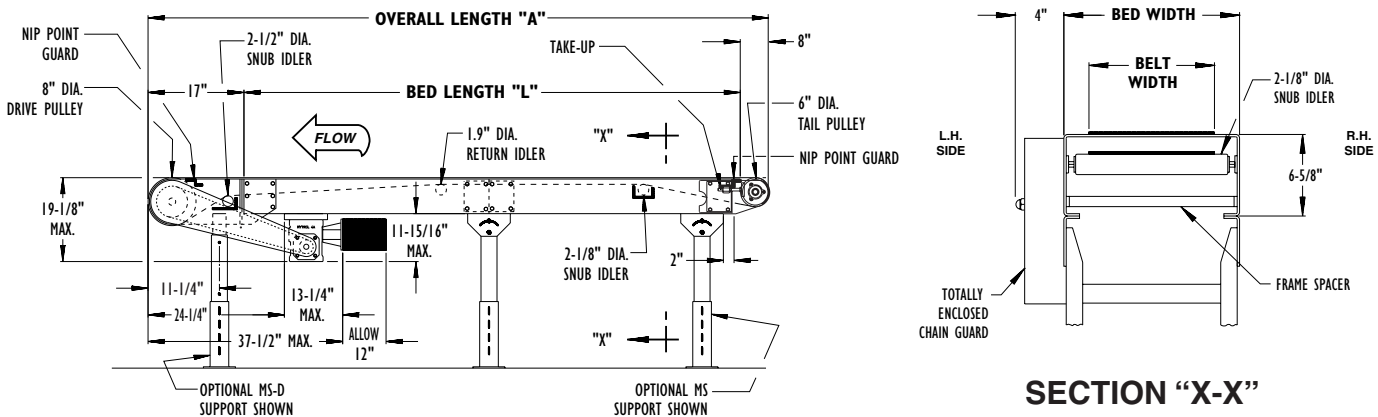


- ★ 5 Belt Widths
- ★ Reversible (with center drive)
- ★ Rugged Construction
- ★ Adjustable MS-Type Floor Supports Available

SIZE TO ORDER Overall Length "A" 6" Dia. Tail Pulley	Bed Length "L"	Overall Length with Center Drive	Belt Width	24"	30"	36"	42"	48"
			Bed Width	30"	36"	42"	*48"	*54"
7'-1"	5'	6'-4"	<b>WEIGHTS (Lbs.)</b>	375	N/A	N/A	N/A	N/A
12'-1"	10'	11'-4"		475	555	615	888	974
17'-1"	15'	16'-4"		625	686	752	1084	1191
22'-1"	20'	21'-4"		725	796	867	1280	1408
27'-1"	25'	26'-4"		875	967	1065	1476	1625
32'-1"	30'	31'-4"		975	1077	1180	1672	1842
37'-1"	35'	36'-4"		1125	1248	1377	1868	2059
42'-1"	40'	41'-4"		1225	1358	1492	2064	2276
47'-1"	45'	46'-4"		1375	1529	1690	2260	2493
52'-1"	50'	51'-4"		1475	1639	1805	2456	2710
57'-1"	55'	56'-4"		1625	1810	2002	2652	2927
62'-1"	60'	61'-4"		1725	1920	2117	2848	3144
67'-1"	65'	66'-4"		1875	2091	2315	3044	3361
72'-1"	70'	71'-4"		1975	2201	2430	3240	3578
77'-1"	75'	76'-4"		2125	2372	2627	3436	3795
82'-1"	80'	81'-4"		2225	2482	2742	3632	4012
87'-1"	85'	86'-4"		2375	2653	2940	3828	4229
92'-1"	90'	91'-4"		2475	2763	3055	4024	4446
97'-1"	95'	96'-4"		2625	2934	3252	4220	4663
102'-1"	100'	101'-4"		2725	3044	3367	4416	4880

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

\* 5'-0" Bed, V-Belt Drive Only



## Standard Specifications

**BELT**—Ultimate 140 BOS—Nitrile, impregnated belt with one side brushed.

**BED**—6-5/8 in. deep x 12 ga. formed steel slider bed powder painted. Reinforced with 3/4 in. pipe which forms sockets for guard rails. Standard 5 ft. & 10 ft. long sections bolt together with splice plates. 48 in. and 51 in. bed widths are available in 5 ft. lengths only.

**END DRIVE**—Located on discharge end of conveyor, chain guard on left hand side.

**DRIVE PULLEY**—8 in. dia. with 1-3/16 in. dia. shaft at bearings, machine crowned and fully lagged.

**TAIL PULLEY**—6 in. dia. with 1-3/16 in. dia. shaft at bearings, machine crowned.

**SNUB IDLER**—Adjustable 2-1/8 in. dia. for tail end 2-1/2 in. dia. for drive end. Pre-lubricated ball bearings. Guards included.

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

**TAKE-UP**—Take-ups at tail pulley. Provides 4 in. of belt take-up.

**BEARINGS**—Sealed, pre-lubricated, self-aligning, ball bearings on drive and tail pulleys.

**SPEED REDUCTION**—Sealed worm gear C-Face speed reducer. No. 50 roller chain to drive pulley.

**MOTOR**—1/2 HP—230/460V—3 Ph.—60 Hz. Totally Enclosed C-Face.

**BELT SPEED**—Constant 65 FPM.

**CAPACITY**—Maximum load per linear foot of conveyor 100 lbs. NOT TO EXCEED capacity in charts.

**FLOOR SUPPORTS**—Now supplied as optional equipment.

8" DIA. DRIVE PULLEY LIVE LOAD CAPACITY @ 65 FPM			
HP	BELT WIDTHS TO	LENGTHS UP TO	
		52'	102'
		DISTRIBUTED LOAD (LBS.)	
1/2	24" - 30"	240	160
	36" - 42"	180	60
	48"	130	0
3/4	24" - 30"	430	340
	36" - 42"	360	240
	48"	310	150
1	24" - 30"	610	530
	36" - 42"	550	430
	48"	490	330
1-1/2	24" - 30"	980	890
	36" - 42"	910	790
	48"	860	700
2	24" - 30"	1340	1260
	36" - 42"	1290	1160
	48"	1230	1070

## 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.

\***BELT**—Black or white Polymate 100 RMP-COS (cover one side), Black Trackmate 447 Roughtop with PVC cover, Brown Polymate Roughtop w/Nitrile cover, Black Trackmate 533 COS-PVC, Tan Glidetop, Pure Gum Rubber Roughtop.

\***BELT SPEED**—Other constant and variable speeds. V-belt drive supplied on speeds under 17 FPM.

**OVERHEAD END DRIVE**—Motor-reducer unit mounted 9-1/2 in. above belt. Other clearances available, specify. (Chain guard right hand side). Minimum elevation—10 in.

**SIDE MOUNTED END DRIVE**—Motor-reducer unit mounted left hand side of conveyor. Minimum elevation 10 in.

**CENTER DRIVE**—Provides 16 in. of belt take-up. Minimum elevation 20 in. Specify location. Minimum OAL 66 in.

**LOW ELEVATION SIDE MOUNTED CENTER DRIVE**—Motor-reducer unit mounted to side of conveyor. Minimum elevation 16-1/2 in.

**STACKED END DRIVE**—Contact factory for minimum elevations.

**V-BELT DRIVE**—V-Belt supplied between motor and reducer. Minimum overall drive width 14 in.

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

**UNDERSIDE TAKE-UP**—Provides 16 in. of belt take-up. Extends down 15-3/4 in. from top of belt.

\***NOSEOVER**—Adjustable, single (0° to 15°), double (0° to 30°).

\***LOWER POWERED FEEDER**—Chain type driven from tail pulley of inclined conveyor. **Underside take-up required when end drive is used.** MS-Type floor supports now supplied as optional equipment. **8 in. dia. drive recommended** on conveyor when feeder exceeds 44-1/2 in. OAL—50-1/2 in. OAL with system end.

**BUTT COUPLINGS**—Provides connection to SB, RB, LR, ACC, ACZ, ABEZ, 190-NSP, 190-NSPEZ, 20-CR, 1.9 in. & 2.0 in. gravity conveyors. Includes 1 in. dia. pop-out roller. **Center drive or underside take-up recommended.**

**SYSTEM END ROLLER**—12 in. long tail sections provide connection to: SB, RB, LR, ACC, ACZ, ABEZ, 190 NSP, 190-NSPEZ, 1.9 in. & 2.0 in. gravity conveyors. Includes 1.9 in. dia. pop-out transfer roller. Belt width is 6 in. less than bed width. Center drive or underside take-up required.

**GUARD RAILS**—Continuous adjustable channel, solid side guards, PC side guards with formed top.. Fixed Channel overlapping, one direction (use with systems ends only). Fixed Channel non-overlapping, reversing (use with system ends only).

**CASTERS**—See Accessory section.

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

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

**MOTORS**—Energy efficient, single phase, other characteristics. 2 HP maximum.

**ELECTRICAL CONTROLS**—One direction manual start switch, reverse drum switch, non-reversing and reversible magnetic starters, push button stations. AC variable frequency drive.

\***NOTE:** Capacity affected with these options.