Standard Specifications

BELT – Ultimate 140 BBS–Nitrile.

BED – 4 in. deep x 12 ga. formed steel slider bed with 2 1/2 in. deep guards, powder-painted. Standard 5 ft. and 10 ft. long sections bolt together with splice plates.

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

DRIVE PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 8 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned and fully lagged. See chart.

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

SNUB IDLER – Adjustable 2 1/8 in. dia. 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, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

BELT SPEED – Constant 65 FPM.

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

FLOOR SUPPORTS – Supplied as optional equipment.

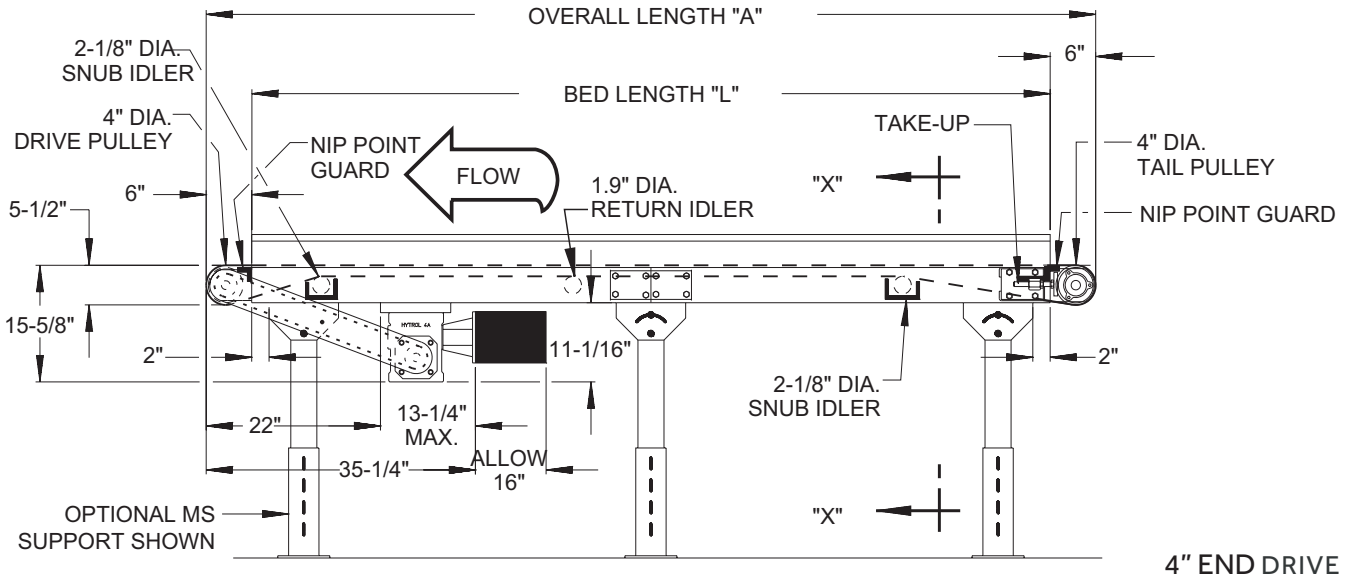
Load Capacity Chart @ 65 FPM W/ Standard Belt

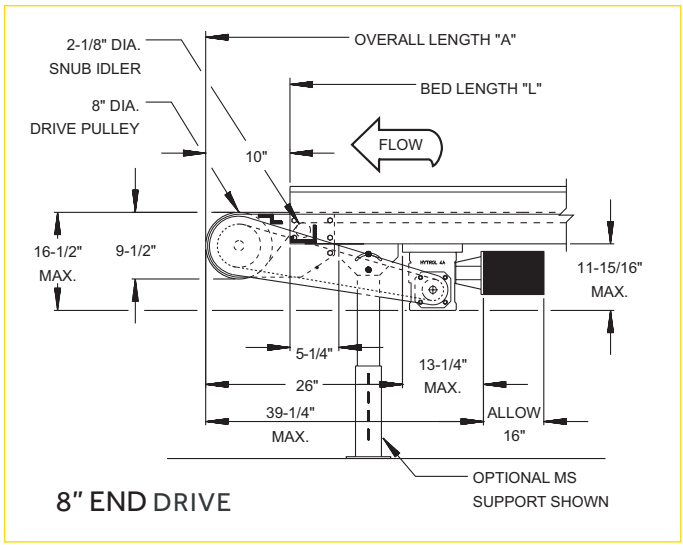
HP	Belt Widths To	Lengths Up To						
		4" dia. Drive Pulley					8" dia. Drive Pulley	
		11'	21'	31'	41'	51'	77'	102'
		Distributed Load (lbs.)						
1/2	16"	335	320	310	300	285	260	230
	24"	320	300	285	270	255	210	170
	30"	300	275	255	235	215	165	115
1	16"	650	635	625	615	605	625	595
	24"	635	620	600	585	570	580	540
	30"	620	595	575	550	530	535	480

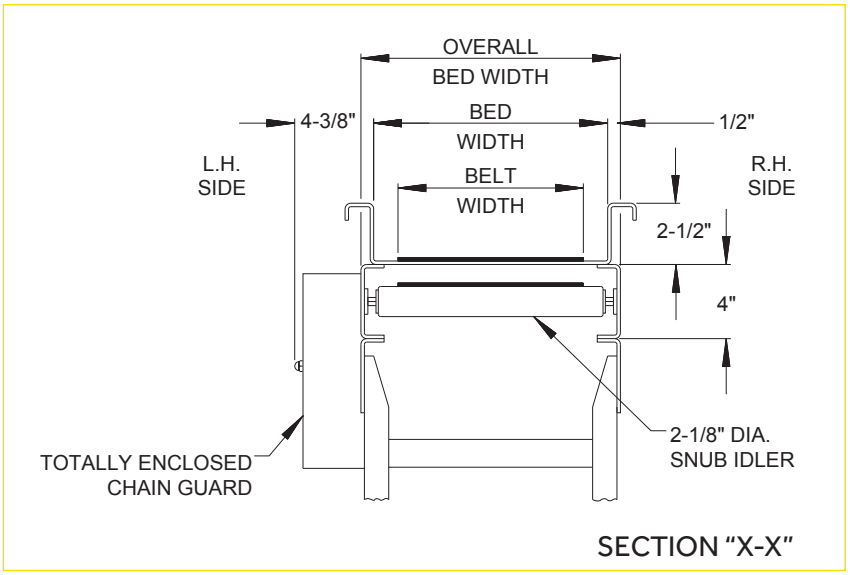
Load Capacity Chart 25° Inclined @ 65 FPM W/ High-Grip Belt

HP	Belt Widths To	Lengths Up To				
		4" dia. Drive Pulley				
		11'	21'	31'	41'	51'
		Distributed Load (lbs.)				
1/2	16"	155	145	135	125	110
	24"	145	130	115	100	80
	30"	135	115	95	75	55
1	16"	310	300	290	280	270
	24"	305	285	270	255	240
	30"	290	270	250	230	210

TR


OVERALL LENGTH "A"
2-1/8" DIA. SNUB IDLER
6"
BED LENGTH "L"
4" DIA. DRIVE PULLEY
TAKE-UP
4" DIA. TAIL PULLEY
NIP POINT GUARD
FLOW
1.9" DIA. RETURN IDLER
"X"
6"
5-1/2"
NIP POINT GUARD
15-5/8"
2"
11-1/16"
2"
2-1/8" DIA. SNUB IDLER
22"
13-1/4" MAX.
35-1/4"
ALLOW 16"
OPTIONAL MS SUPPORT SHOWN
"X"
4" END DRIVE


2-1/8" DIA. SNUB IDLER
OVERALL LENGTH "A"
BED LENGTH "L"
8" DIA. DRIVE PULLEY
FLOW
10"
16-1/2" MAX.
9-1/2"
11-15/16" MAX.
5-1/4"
13-1/4" MAX.
26"
39-1/4" MAX.
ALLOW 16"
OPTIONAL MS SUPPORT SHOWN
8" END DRIVE


OVERALL BED WIDTH
4-3/8"
BED WIDTH
1/2"
L.H. SIDE
BELT WIDTH
R.H. SIDE
2-1/2"
4"
2-1/8" DIA. SNUB IDLER
TOTALLY ENCLOSED CHAIN GUARD
SECTION "X-X"

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* – White Polymate 100 RMP-COS (cover one side), Black Trackmate 120 High-Grip Longitudinal Groove with PVC cover, Brown Polymate Roughtop w/Nitrile cover, Black Trackmate 533 COS-PVC, Tan Glidetop, Brown Nitrile Roughtop.

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

HIGHER SIDES – 4 in., 6 in., 9 in., and 12 in. high vertical sides (12 in. maximum).

OVERHEAD END DRIVE – Motor reducer unit mounted 9 1/2 in. above belt. Other clearances available, specify. Chain guard RH side. Minimum elevation 6 in. with 4 in. drive, 10 in. with 8 in. drive.

SIDE MOUNTED END DRIVE – Motor reducer unit mounted to LH side of conveyor. Minimum elevation 7 in. with 4 in. drive, 10 in. with 8 in. drive.

CENTER DRIVE – Provides 16 in. of belt take-up. Minimum elevation 16 in. with 4 in. drive, 17 in. with 8 in. drive. Specify location. Minimum OAL without modification-63 in. with 4 in. drive, 66 in. with 8 in. drive.

LOW ELEVATION SIDE MOUNTED CENTER DRIVE – Motor-reducer unit mounted to side of conveyor. Minimum elevation 13 1/2 in. with 4 in. or 8 in. drive.

STACKED END DRIVE – Minimum elevation 27 3/4 in. with v-belt drive, 33 3/4 in. with C-face drive.

Shaft-mounted END DRIVE – Contact Factory

V-BELT DRIVE – V-belt supplied between motor and reducer. Minimum overall drive width 14 in. Allow 65 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 13 1/4 in. from top of belt.

NOSEOVER* – Adjustable, single (0 to 15 degrees), double (0 to 30 degree).

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

GRAVITY BRACKETS – Adjustable bars with 1 in. dia. pop-out transfer roller to attach wheel or 1 3/8 in. roller conveyor. Available 11 in. to 25 in. bed widths only.

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

PULLEYS – 6 in. tail with 1 3/16 in. dia. shaft at bearings or 8 in. drive with 1 3/16 in. dia. shaft at bearings.

CASTERS – See Accessory section.

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

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

MOTOR – Energy efficient, single phase, brakemotor, 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.