



Floor-to-Floor Incline Conveyor (Slider Bed)

The Model SBI is a floor-to-floor incline conveyor. It is equipped with an adjustable double nose-over at the discharge end to insure a smooth transfer from the incline to horizontal plane. Inclines are easily adjusted up to 30°. This conveyor can also be used as a booster conveyor in gravity flow systems.

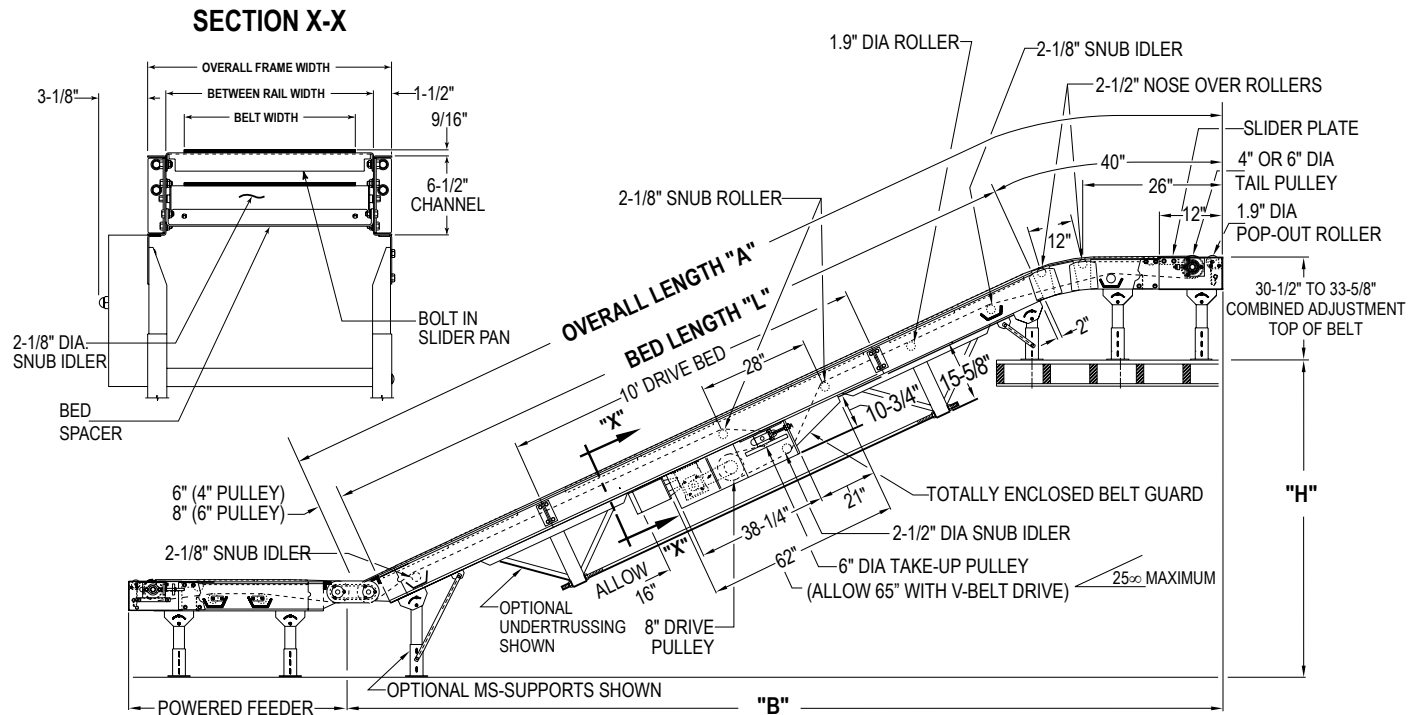
- 12 Belt Widths
- Center Drive
- Reversible
- Brake Motor
- System Ends
- Double Nose-over
- Pop-out Roller
- Powered Feeder
- Ceiling Hangers Available
- Adjustable MS-Type Floor Supports Available
- Undertrussing (18", 24", & 30" OAW From Stockyard Only)



Conveyor shown with optional floor supports

SIZE TO ORDER Overall Length "A" 4" Dia. Pulley	Bed Length "L"	"B" @ 25°	"H" @ 25° Infeed @ 30 1/2" Discharge @ 30 1/2"	Between Rail Width												SIZE TO ORDER Overall Length "A" 6" Dia. Pulley									
				Belt Width													27"	31"	33"	37"	39"				
				13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"										
				Overall Frame Width	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"						
13'-10"	10'	12'-8"	4'-11"	Weights (LBS.)	886	941	996	1051	1106	1161	1216	1271	1326	1381	1436	1491	1546	1601	1656	1711	1766	1821	1876	1931	
15'-10"	12'	14'-7"	5'-8"		914	971	1028	1085	1142	1199	1256	1313	1370	1427	1484	1541	1598	1655	1712	1769	1826	1883	1940	1997	2054
17'-10"	14'	16'-5"	6'-4"		942	1001	1060	1119	1178	1237	1296	1355	1414	1473	1532	1591	1650	1709	1768	1827	1886	1945	2004	2063	2122
19'-10"	16'	18'-3"	7'-2"		970	1031	1092	1153	1214	1275	1336	1397	1458	1519	1580	1641	1702	1763	1824	1885	1946	2007	2068	2129	2190
21'-10"	18'	20'-1"	8'-0"		998	1061	1124	1187	1250	1313	1376	1439	1502	1565	1628	1691	1754	1817	1880	1943	2006	2069	2132	2195	2258
23'-10"	20'	21'-11"	8'-10"		1026	1091	1156	1221	1286	1351	1416	1481	1546	1611	1676	1741	1806	1871	1936	2001	2066	2131	2196	2261	2326
25'-10"	22'	24'-8"	10'-0"		1054	1121	1188	1255	1322	1389	1456	1523	1590	1657	1724	1791	1858	1925	1992	2059	2126	2193	2260	2327	2394
27'-10"	24'	25'-6"	10'-6"		1082	1151	1220	1289	1358	1427	1496	1565	1634	1703	1772	1841	1910	1979	2048	2117	2186	2255	2324	2393	2462
29'-10"	26'	27'-4"	11'-5"		1110	1181	1252	1323	1394	1465	1536	1607	1678	1749	1820	1891	1962	2033	2104	2175	2246	2317	2388	2459	2530
31'-10"	28'	29'-2"	12'-5"		1138	1211	1284	1357	1430	1503	1576	1649	1722	1795	1868	1941	2014	2087	2160	2233	2306	2379	2452	2525	2598
33'-10"	30'	31'-0"	13'-1"		1166	1241	1316	1391	1466	1541	1616	1691	1766	1841	1916	1991	2066	2141	2216	2291	2366	2441	2516	2591	2666
35'-10"	32'	33'-10"	14'-0"		1194	1271	1348	1425	1502	1579	1656	1733	1810	1887	1964	2041	2118	2195	2272	2349	2426	2503	2580	2657	2734
37'-10"	34'	34'-8"	14'-7"		1222	1301	1380	1459	1538	1617	1696	1775	1854	1933	2012	2091	2170	2249	2328	2407	2486	2565	2644	2723	2802
39'-10"	36'	36'-5"	15'-7"		1250	1331	1412	1493	1574	1655	1736	1817	1898	1979	2060	2141	2222	2303	2384	2465	2546	2627	2708	2789	2870
41'-10"	38'	38'-2"	16'-6"		1278	1361	1444	1527	1610	1693	1776	1859	1942	2025	2108	2191	2274	2357	2440	2523	2606	2689	2772	2855	2938
43'-10"	40'	40'-0"	17'-4"		1306	1391	1476	1561	1646	1731	1816	1901	1986	2071	2156	2241	2326	2411	2496	2581	2666	2751	2836	2921	3006

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



• STANDARD SPECIFICATIONS

BELT—Black Trackmate 120 Roughtop with PVC cover. Clipper lacing.

BED—12 ga. galvanized slider pan mounted in 6 ½ in. x 12 ga. powder painted, formed steel channel frame. Standard 4 ft., 6 ft., 8 ft., and 10 ft. long sections bolt together with splice plates.

DOUBLE NOSE-OVER—A 26 in. long horizontal and a 12 in. long nose-over section provides a two-step transition of product from incline to horizontal. Provides up to 30° incline adjustment.

LOWER POWERED FEEDER—Chain type driven from tail pulley of inclined conveyor. Supports not included in base price.

CENTER DRIVE—Located on the incline section. Chain guard located on left hand side.

DRIVE PULLEY—8 in. dia. with 1 ⅞ in. dia. shaft at bearings, machine crowned and fully lagged.

TAIL PULLEY—4 in. dia. with 1 in. dia. shaft at bearings or 6 in. dia. with 1 ¾ in. dia. shaft at bearings, machine crowned.

TAKE-UP PULLEY—6 in. dia. with 1 ¾ in. dia. shaft at bearings, machine crowned.

TAKE-UP—Take-ups in center drive provides 16 in. of belt take-up.

SNUB IDLER/NOSE-OVER ROLLERS—Adjustable 2 ⅜ in. dia. or 2 ½ in. dia. pre-lubricated ball bearings. Snub guards included.

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

BEARINGS—Sealed, pre-lubricated, self-aligning, ball bearings on drive, tail and take-up pulley.

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

MOTOR—1 HP—208/230/460/575V—3 Ph. 60 Hz. Totally Enclosed C-Face “SSB” Brake Motor (6 ft./lb.).

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.

BR	BELT WIDTH	OAW	FEEDER LENGTH
13"	10"	16"	35 ½"
15"	12"	18"	
17"	14"	20"	
19"	16"	22"	
21"	18"	24"	50 ½"
23"	20"	26"	
25"	22"	28"	
27"	24"	30"	
31"	28"	34"	79 ½"
33"	30"	36"	
37"	34"	40"	91 ½"
39"	36"	42"	

LOAD CAPACITY CHART 25° INCLINE @ 65 FPM W/ROUGHTOP BELT			
HP	BELT WIDTHS TO	LENGTHS UP TO	
		14'	44'
DISTRIBUTED LOAD (LBS.)			
1	22"	390	375
	30"	380	355
	36"	375	340
2	22"	810	790
	30"	800	770
	36"	790	755

• 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-3 support.

BELT—Brown Polymate Roughtop w/Nitrile cover, Pure Gum Rubber Roughtop.

BELT SPEED—Other constant and variable speeds V-belt drive supplied on speeds under 20 FPM (1 HP), 46 FPM (2 HP). **NOTE:** Capacity affected with speed change.

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, overlapping fixed channel (one direction), non-overlapping fixed channel (bi-directional).

PULLEYS—6 in. dia. tail pulley with 1 ¾ in. dia. shaft at bearings in place of 4 in. when not furnished as standard.

CEILING HANGERS—⅝ in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

UNDERTRUSSING—Available in place of ceiling hangers. Maximum bed length 40 ft. Maximum overall width 30 in.

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

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