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)

### SIZE TO ORDER
<table>
<thead>
<tr>
<th>Overall Length &quot;A&quot;</th>
<th>Bed Length &quot;L&quot;</th>
<th>&quot;B&quot; @ 25&quot;</th>
<th>&quot;H&quot; @ 25&quot;</th>
<th>Infeed @</th>
<th>Belt Width</th>
<th>Overall Frame Width</th>
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<td>13'-10&quot;</td>
<td>10'</td>
<td>12'-8&quot;</td>
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</table>

### Weights (LBS.)

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

### SECTION X-X

- 1.9" DIA ROLLER
- 1.9" DIA POP-OUT ROLLER
- 2-1/8" DIA SNUB IDLER
- 2-1/8" DIA TAIL PULLEY
- 10'-3/4" COMBINED ADJUSTMENT TOP OF BELT
- 2-1/8" SNUB IDLER
- 2-1/8" DIA TAIL PULLEY
- 8" DRIVE PULLEY
- TOTALLY ENCLOSED BELT GUARD
- Optional MS-Supports Shown
- Optional Undertrussing Shown
- 6" DIA TAKE-UP PULLEY
- ALLOWS V-BELT DRIVE
- 6" (4" PULLEY)
- 8" (6" PULLEY)
- 6" DRIVE PULLEY

**Weights (LBS.)**

- 886 941 996 1051 1106 1161 1216 14' 1305 1457 1533 1685 1761
- 914 971 1028 1085 1142 1199 1256 16' 1347 1503 1581 1737 1915
- 942 1001 1060 1119 1178 1237 1296 18' 1389 1549 1629 1789 1869
- 970 1031 1092 1153 1214 1275 1336 20' 1431 1595 1677 1841 1923
- 998 1061 1124 1187 1250 1313 1376 22' 1473 1641 1725 1893 1977
- 1026 1091 1156 1221 1286 1351 1416 24' 1515 1687 1773 1945 2031
- 1054 1121 1188 1255 1322 1389 1456 26' 1557 1733 1821 1997 2085
- 1082 1151 1220 1289 1358 1427 1496 28' 1599 1779 1869 2049 2139
- 1110 1181 1252 1323 1394 1465 1536 30' 1641 1825 1917 2091 2193
- 1138 1211 1284 1357 1430 1503 1576 32' 1683 1871 1965 2153 2247
- 1166 1241 1316 1391 1466 1541 1616 34' 1725 1917 2013 2205 2301
- 1194 1271 1348 1425 1502 1579 1656 36' 1767 1963 2061 2257 2355
- 1222 1301 1380 1459 1538 1617 1696 38' 1809 2009 2109 2309 2409
- 1250 1331 1412 1493 1574 1655 1736 40' 1851 2055 2157 2361 2465
- 1278 1361 1444 1527 1610 1693 1776 42' 1893 2101 2205 2413 2517
- 1306 1391 1476 1561 1646 1731 1816 44' 1935 2147 2253 2465 2571
• 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 ⅞ in. dia. shaft at bearings, machine crowned.

TAKE-UP PULLEY—6 in. dia. with 1 ⅞ 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 ⅞ 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.

• 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 ⅞ 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.

<table>
<thead>
<tr>
<th>HP</th>
<th>BELT WIDTHS TO LENGTHS UP TO</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>22&quot; 390 375</td>
</tr>
<tr>
<td>2</td>
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