

HYTROL CONVEYOR COMPANY, INC.

Model C Cleated Incline Belt Conveyor

The Model C handles bags, boxes, cartons and parts. It may be set at any angle from horizontal to 45° for various uses, including floor-to-floor conveying and the transportation of materials from building to truck or box car.

- 4 Belt Widths
- Reversible
- Cleated Roughtop Belt
- Gravity Conveyor Brackets
- Pop-out Roller
- Undertrussed Bed
- Adjustable MS-Type Floor Supports Available

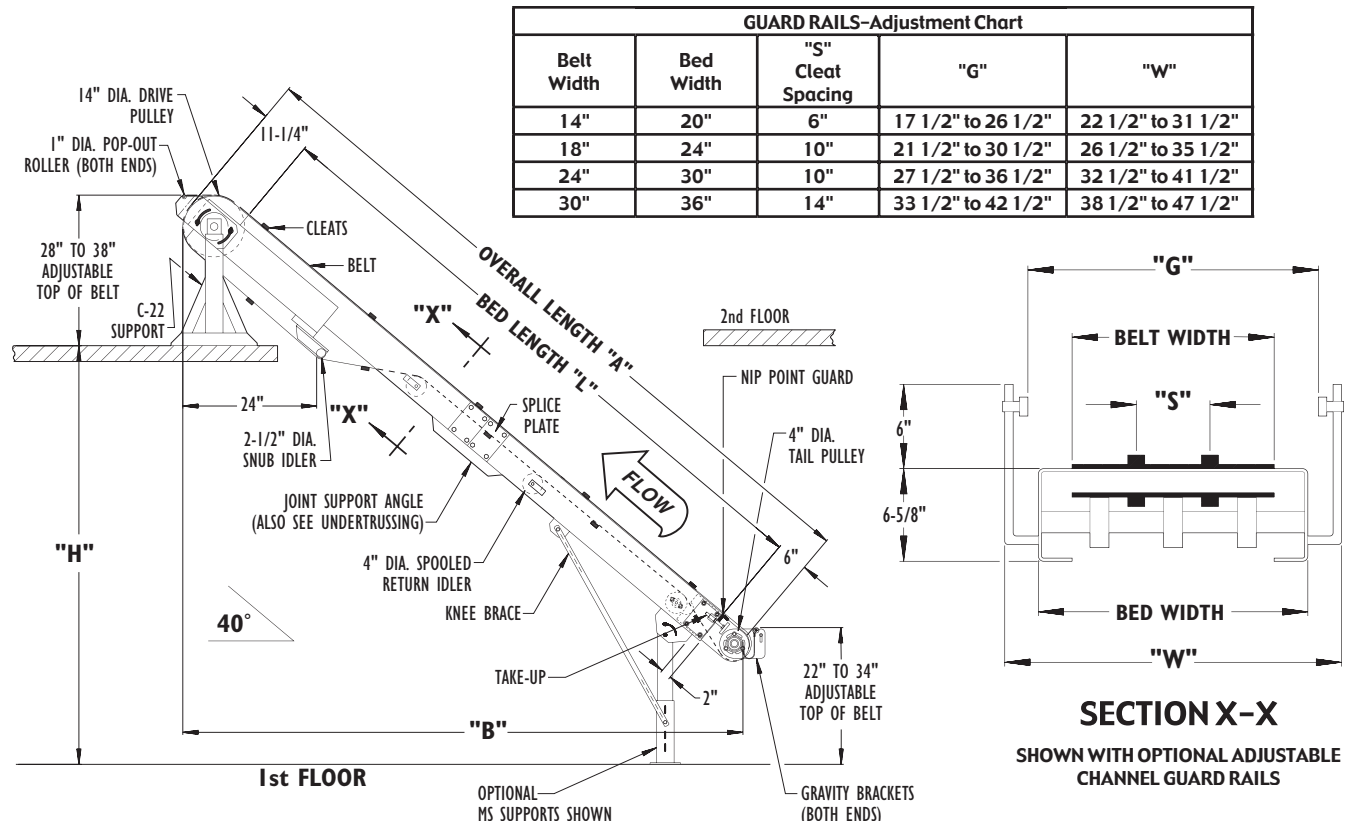


Conveyor shown with optional floor supports



| SIZE TO ORDER Overall Length "A" | Bed Length "L" | "H" @ 40° Infeed @ 30° Discharge @ 30° | "B" @ 40° | 14" Belt | | 18" Belt | | 24" Belt | | 30" Belt | |
|----------------------------------|----------------|--|-----------|----------|---------------|----------|---------------|----------|---------------|----------|---------------|
| | | | | 20" Bed | | 24" Bed | | 30" Bed | | 36" Bed | |
| | | | | Motor HP | Weight (Lbs.) | Motor HP | Weight (Lbs.) | Motor HP | Weight (Lbs.) | Motor HP | Weight (Lbs.) |
| 7'-5" | 6' | - | - | 3/4 | 385 | 3/4 | 585 | 1 1/2 | 770 | 1 1/2 | 955 |
| 9'-5" | 8' | - | - | 3/4 | 415 | 3/4 | 640 | 1 1/2 | 845 | 1 1/2 | 1050 |
| 11'-5" | 10' | - | - | 3/4 | 435 | 1 1/2 | 670 | 1 1/2 | 880 | 1 1/2 | 1145 |
| 13'-5" | 12' | 8'-6" | 11'-0" | 3/4 | 450 | 1 1/2 | 695 | 1 1/2 | 910 | 1 1/2 | 1240 |
| 15'-5" | 14' | 9'-9" | 12'-6" | 3/4 | 500 | 1 1/2 | 750 | 1 1/2 | 985 | 1 1/2 | 1335 |
| 17'-5" | 16' | 11'-0" | 13'-0" | 3/4 | 545 | 1 1/2 | 805 | 1 1/2 | 1060 | 1 1/2 | 1430 |
| 19'-5" | 18' | 12'-3" | 14'-7" | 3/4 | 585 | 1 1/2 | 860 | 1 1/2 | 1135 | 1 1/2 | 1525 |
| 21'-5" | 20' | 13'-6" | 16'-1" | 1 1/2 | 615 | 1 1/2 | 915 | 1 1/2 | 1210 | 1 1/2 | 1620 |
| 23'-5" | 22' | 14'-9" | 17'-7" | 1 1/2 | 655 | 1 1/2 | 970 | 1 1/2 | 1285 | 1 1/2 | 1715 |
| 25'-5" | 24' | 16'-0" | 19'-2" | 1 1/2 | 700 | 1 1/2 | 1025 | 1 1/2 | 1360 | 1 1/2 | 1810 |
| 27'-5" | 26' | 17'-3" | 20'-8" | 1 1/2 | 730 | 1 1/2 | 1080 | 1 1/2 | 1430 | 1 1/2 | 1905 |
| 29'-5" | 28' | 18'-6" | 22'-2" | 1 1/2 | 755 | 1 1/2 | 1135 | 1 1/2 | 1505 | 1 1/2 | 2000 |
| 31'-5" | 30' | 19'-6" | 23'-9" | 1 1/2 | 790 | 1 1/2 | 1190 | 1 1/2 | 1580 | 1 1/2 | 2095 |
| 33'-5" | 32' | 21'-0" | 25'-3" | 1 1/2 | 825 | 1 1/2 | 1245 | 1 1/2 | 1650 | 1 1/2 | 2190 |
| 35'-5" | 34' | 22'-3" | 26'-10" | 1 1/2 | 860 | 1 1/2 | 1310 | 1 1/2 | 1720 | 1 1/2 | 2285 |
| 37'-5" | 36' | 23'-6" | 28'-4" | 1 1/2 | 895 | 1 1/2 | 1375 | 1 1/2 | 1790 | 1 1/2 | 2380 |
| 39'-5" | 38' | 24'-9" | 29'-10" | 1 1/2 | 930 | 1 1/2 | 1430 | 1 1/2 | 1860 | 1 1/2 | 2475 |
| 41'-5" | 40' | 26'-0" | 31'-5" | 1 1/2 | 965 | 1 1/2 | 1495 | 1 1/2 | 1930 | 1 1/2 | 2570 |
| 43'-5" | 42' | 27'-3" | 32'-11" | 1 1/2 | 1000 | 1 1/2 | 1560 | 1 1/2 | 2000 | 1 1/2 | 2665 |
| 45'-5" | 44' | 26'-6" | 34'-5" | 1 1/2 | 1035 | 1 1/2 | 1625 | 1 1/2 | 2070 | 1 1/2 | 2760 |

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



| Belt Width | Bed Width | "S" Cleat Spacing | "G" | "W" |
|------------|-----------|-------------------|--------------------|--------------------|
| 14" | 20" | 6" | 17 1/2" to 26 1/2" | 22 1/2" to 31 1/2" |
| 18" | 24" | 10" | 21 1/2" to 30 1/2" | 26 1/2" to 35 1/2" |
| 24" | 30" | 10" | 27 1/2" to 36 1/2" | 32 1/2" to 41 1/2" |
| 30" | 36" | 14" | 33 1/2" to 42 1/2" | 38 1/2" to 47 1/2" |

INCLINED



• Standard Specifications

Model **C**

END DRIVE—Located on discharge end of conveyor.

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

CLEATS—Two 1-1/2 in. dia. x 1 in. high hardwood cleats, fastened to belt by 5/16 in. elevator bolts spaced every 60 in. Can be supplied less cleats. Specify.

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

UNDERTRUSSED BED—Undertrussing provided on beds from 20 ft. through 40 ft. long. Others supported by either MS type floor supports or ceiling hangers. Unsupported bed joints are reinforced by joint support angles.

INCLINE—Adjustable from horizontal to 45°.

DRIVE PULLEY—14 in. dia. with 1 in. dia. removable shaft for 20 in. wide bed; 1-1/4 in. dia. removable shaft for 24 and 30 in. wide beds. Crowned and fully lagged.

TAIL PULLEY—4 in. dia. with 1 in. dia. shaft at bearing, machine crowned.

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

RETURN IDLER—Adjustable 4 in. dia. spooled idler to provide clearance for cleats. Pre-lubricated ball bearings.

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

GRAVITY BRACKETS—Adjustable bars with 1 in. dia. pop-out transfer roller to attach wheel or 1-3/8 in. dia. roller conveyor.

BEARINGS—Sealed, pre-lubricated, self-aligning, ball bearings at tail pulley. Re-lube roller bearings on drive pulley.

MOTOR—Energy efficient motor with brake. See chart.

BELT SPEED—Constant 65 FPM.

CAPACITY—See Load Capacity Chart.

FLOOR SUPPORTS—Now supplied as optional equipment.



SHOWN WITH OPTIONAL LOWER POWERED FEEDER AND SUPPORTS

| LIVE LOAD CAPACITY—40° INCLINE @ 65 FPM | | | | |
|---|----------------|---------------|-----|-----|
| HP | BELT WIDTHS TO | LENGTHS UP TO | | |
| | | 20' | 30' | 46' |
| DISTRIBUTED LOAD (LBS.) | | | | |
| 3/4 | 14" | 250 | 240 | 230 |
| | 18" | 245 | 235 | 220 |
| | 24" | 240 | 225 | 205 |
| | 30" | 235 | 220 | 190 |
| 1 1/2 | 14" | 520 | 515 | 500 |
| | 18" | 515 | 505 | 490 |
| | 24" | 510 | 495 | 475 |
| | 30" | 505 | 490 | 460 |

• 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.

WIDER BELT—16 in. wide belt on 20 in. bed, 20 in. wide belt on 24 in. bed.

BELT SPEED—Other constant speeds available, contact factory.

*NOTE: Capacity affected with speed change.

GUARD RAILS—Adjustable Universal Channel Guard Rail.

LOWER POWERED FEEDER—Chain type driven from pulley of inclined conveyor. NOTE: Conveyor tail pulley is used for belt take-up. When belt tension is adjusted, feeder will have to be moved along with the take-up. NOTE: Capacity affected with this option.

PULLEYS—6 in. dia. tail pulley with 1-3/16 in. dia. shaft at bearing.

FLOOR SUPPORTS—Infeed end (MS type) heights other than standard available, specify elevation. Discharge end (C-22) higher than standard to 48 in., specify elevation.

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

REMOTE SWITCH CONTROL—Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on left side, looking up with drive at top. Specify if required on other side.

MOTORS—1-1/2 HP maximum.

CONVEYING SPEED—Speeds other than 65 FPM will require gear box change (contact factory).

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