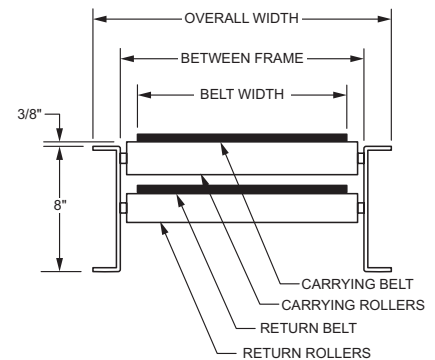
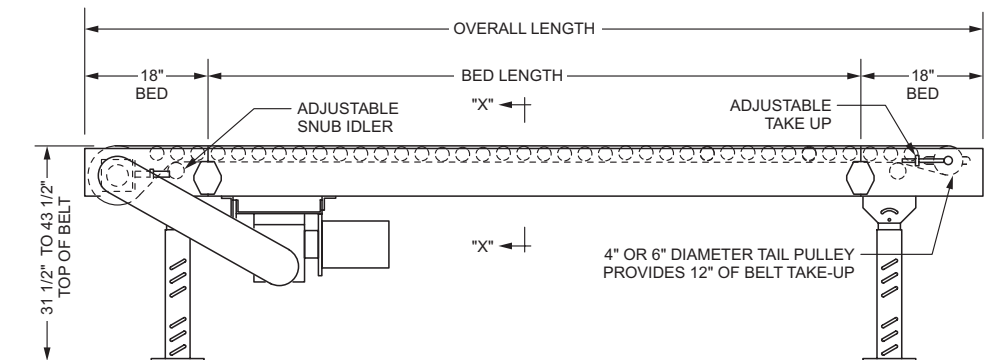
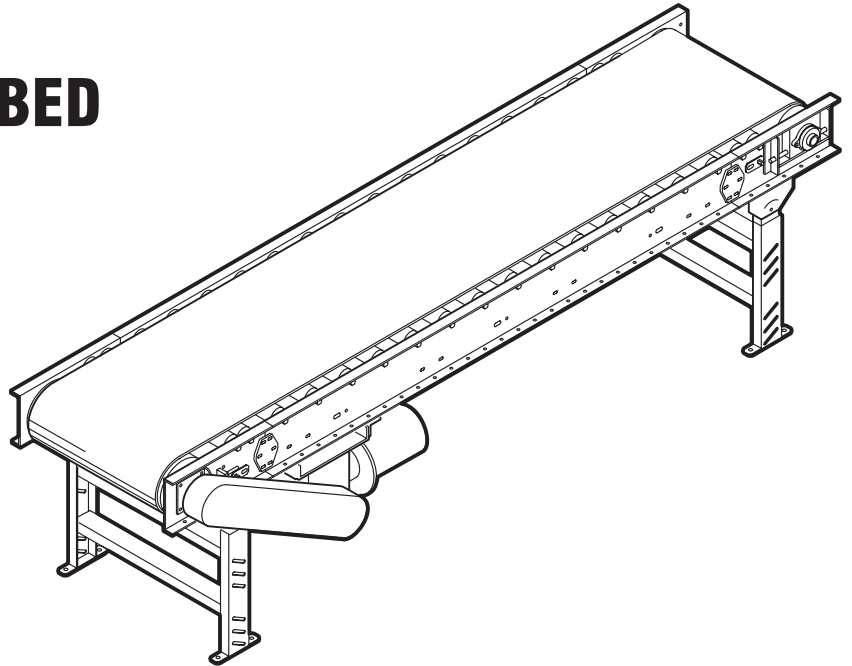


BELT CONVEYOR HEAVY DUTY ROLLER BED MODEL BR251

Applications

- Packing
- Inspecting
- Sorting
- Transporting horizontally or on incline
- Heavier loads can be conveyed because of less friction build up
- Assembling
- Testing



SECTION "X-X"

Standard Specifications:

Belt - Black PVC-120 FS x FS with clipper lacing.

Belt Widths - 18 in., 24 in., 30 in., 36 in., 42 in., and 48 in. wide, black solid woven PVC belt.

Bed - Roller bed with 2 1/2 in. dia. steel rollers. Rollers mounted in 8 in. deep x 7 ga. formed steel channel frames. Frames bolted together with butt couplings and floor supports.

Tail Pulley - 6 in. dia. crowned with 1 7/16 in. dia. shaft.

Drive Pulley - 8 in. dia. crowned and fully lagged, 1 7/16 in. shaft.

Return Rollers - 2 in. dia.

Snub Rollers - 2 in. dia.

Floor Supports - Adjustable from 31 1/2 in. to 43 1/2 in. from floor to top of belt. One support supplied at each end of conveyor and at each bed joint.

Take-Up - Located at tail end, provides 12 in. of belt take-up.

Motor - 1/2 H.P. 230/460/3/60 TEFC motor.

LOAD CAPACITY CHART							
Horizontal Conveyor Roller Bed @ 30 FPM							
Diameter Drive Pulley	HP	Overall Frame Width 26" to 30"		Overall Frame Width 36" to 54"		Overall Frame Width 60" to 62"	
		Total Load (lbs.)		Total Load (lbs.)		Total Load (lbs.)	
		UP TO 50'	UP TO 100'	UP TO 50'	UP TO 100'	UP TO 50'	UP TO 100'
6"	2	13400	11300	11300	7500	10600	6200
	3	23200	21100	21100	17300	20400	16000
8"	5	25000	27500	25000	23700	25000	22300

Speed Reducer - C-Face mounted heavy duty worm gear reducer.

Bearings - Sealed-prelubricated with cast iron housings.

Belt Speed - 30 FPM constant.

Capacity - 450 lbs. per foot max. Not to exceed Load Capacity Chart.

Bed Length	Overall Length	Belt Width							
		12"	18"	24"	30"	36"	42"	48"	
		Width Between Frames							
Overall Width		15"	21"	27"	33"	39"	45"	51"	
		Rollers Spaced on 6 in. Centers							
5'	8'		654						
10'	13'		868	955	1043	1131			
15'	18'		1081	1207	1303	1457	1583	1711	
20'	23'		1295	1458	1621	1784	1948	2111	
25'	28'		1508	1709	1909	2110	2312	2513	
30'	33'		1723	1961	2200	2437	2677	2916	
35'	38'		1935	2212	2489	2763	3039	3317	
40'	43'		2149	2463	2777	3089	3404	3719	
45'	48'		2363	2714	3065	3416	3769	4121	
50'	53'		2577	2966	3355	3743	4132	4522	
55'	58'		2835	3267	3700	4131	4566	4998	
60'	63'		3049	3517	3988	4459	4930	5401	
65'	68'		3262	3769	4278	4785	5294	5803	
70'	73'		3476	4020	4567	5111	5659	6204	
75'	78'		3690	4272	4855	5438	6023	6606	
80'	83'		3904	4524	5145	5765	6388	7007	
85'	88'		4116	4775	5434	6091	6751	7409	
90'	93'		4331	5027	5723	6419	7116	7812	
95'	98'		4543	5277	6011	6744	7480	8213	
100'	103'		4758	5529	6300	7071	7844	8615	

How To Order

Model: XXXX-XX-XXXX-XXX-XXX-XXX-XXX-XX-XXX-XX

Model / Series:
(BR196) Belt Over Roller
(BR251) Belt Over Roller

Belt widths:
(12) = 12", (18) = 18",
(24) = 24", (30) = 30",
(36) = 36", (42) = 42",
(48) = 48"

Belt Type:
(STD) = Standard per catalog specifications
(SPE) = Special requirements will need to be specified at the time of estimating

Drive Pulley Diameter:
(08) = 8" dia.
(12) = 12" dia. (BR251-only)

Overall conveyor length:
Refer to length selection table
(ex: (0800) = 8'-0")

Supports:
(Top of Bed / Top of Roller height)
(STD) = Standard supports 31 1/2" to 43 1/2"
(NSP) = No supports required
** If not standard please use top of bed / top of roller height dimensionally (ex: (12) = 1'-0" or (046) = 3'-10")

Paint color
(01) Blue, (02) Crème, (03) Safety Yellow,
(04) Safety Orange, (05) Med. Metallic Grey,
(06) White, (07) Dark Blue

Drive position:
(DLU) Left Hand, Mounted Low (Included in std. prc)
(DRU) Right Hand, Mounted Low (Included in std. prc)
(DLH) Left Hand, Mounted High (Add to std. price)
(DRH) Right Hand, Mounted High (Add to std. price)
(DLC) Left Hand, Center Mount (Add to std. price)
(DRC) Right Hand, Center Mount (Add to std. price)

Denotes horse power requirements:
(05) 1/2 HP (Included in Standard pricing)
(75) 3/4 HP (Add to std. price)
(10) 1 HP (Add to std. price)
(15) 1 1/2 HP (Add to std. price)

Denotes F.P.M. (Feet Per Minute) requirements. Std. 60 F.P.M.
(Selection from 30 F.P.M. to 200 F.P.M. in increments of 10 F.P.M.)

Guiding:
(NGS) = No guides required
(STD) = Formed guides
** For special guiding please refer to guide catalog supplement for part number

How To Order

Optional Equipment:

Belt - Neoprene friction surface (white or black); Neoprene with smooth top cover (white or black); black rubber ruff-top, or red Neoprene. Special belts on application.

Floor Supports - Lower or higher than standard. Castered supports with 4 in. dia. or 6 in dia. rigid or swivel caster.

Ceiling Hangers - Threaded rods 8 feet long with locking nuts and mounting hardware. Other lengths are available.

Center Drive - Mounted below conveyor bed section. Can be placed anywhere in conveyor length.

Side Mounted Drive - End drive mounted to side of conveyor section. Specify side.

Auxiliary Take-Up - Mounted below conveyor bed section. Can be placed anywhere in conveyor length.

Spacing	Roller Weight Added Per Foot (lbs.)							
3'	(+)18.8	(+)23.2	(+)27.6	(+)32.2	(+)36.6	(+)41.0	(+)45.4	(+)49.8
9'	(-) 5.5	(-) 6.9	(-) 8.3	(-) 9.7	(-) 11.0	(-) 12.3	(-) 13.6	(-) 14.9
12'	(-) 9.4	(-) 11.6	(-) 13.8	(-) 16.1	(-) 18.3	(-) 20.5	(-) 22.7	(-) 24.9

* Other widths are available

Motor - Single phase, totally enclosed, explosion proof, etc. Other H.P. are available.

Bearings - Regreasable cast iron.

Belt Speed - Constant and variable belt speeds available.

Electrical Controls - Magnetic starters, push button stations, manual one direction and reversing drum switches and others.

Guard Rails - Adjustable channel, continuous channel, or solid steel guard rails available.

Nose-Over - Adjustable single or double nose-over provides smooth transfer from incline to horizontal.