

Materials Handling Products

- Rugged
- Versatile
- Wide Range of Widths
- E-Z Trac[®] Pulleys

Model 405 Slider Bed conveyor is an economical choice for widely varying load sizes and shapes. In addition to mixed loads, slider beds can handle hard-to-convey products such as crates, bags, bundles, rolls, and unpackaged goods.

Operation: Two-way, horizontal, incline, or decline. No accumulation.

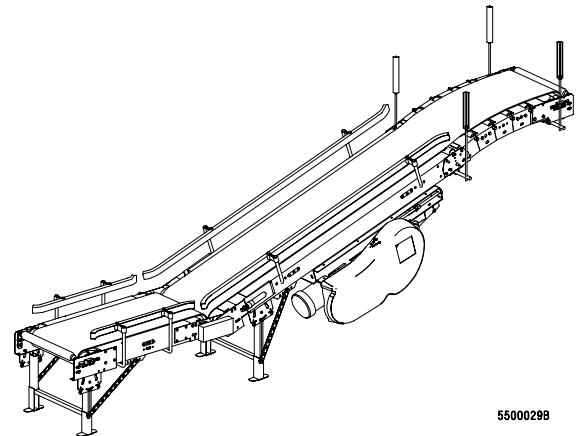
Capacity: 158 lb/ft max. with 12-1/4" wide bed.

Speeds: 40-200 fpm fixed in 10 fpm increments.

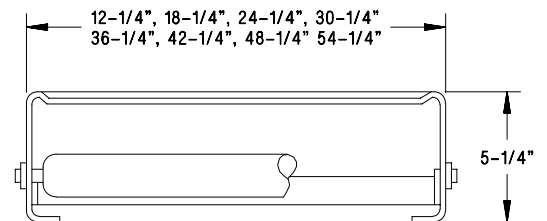
Drives: 500 lb series drives (520 lb and 522 lb pull center drives) with 8" diameter pulley on a 2-7/16" diameter shaft with 1-3/16" diameter bearings and input (520) or 1-7/16" bearings & 1-3/16" input (522). Chain final drive (520) or cog belt final drive (522). 1050 lb pull center drive with 12" diameter pulley on 2-7/16" diameter shaft with 1-15/16" diameter bearings and input.

For each drive, pulley has molded-on, flat lagging, and self-aligning bearings in which the shaft mounts.

Take-up in Drives: 4" diameter (6" for 1050) E-Z Trac belt take-up pulley with lifetime grease packed, sealed ball bearings mounted to a 1-7/16" diameter (1-15/16" for 1050) fixed shaft.



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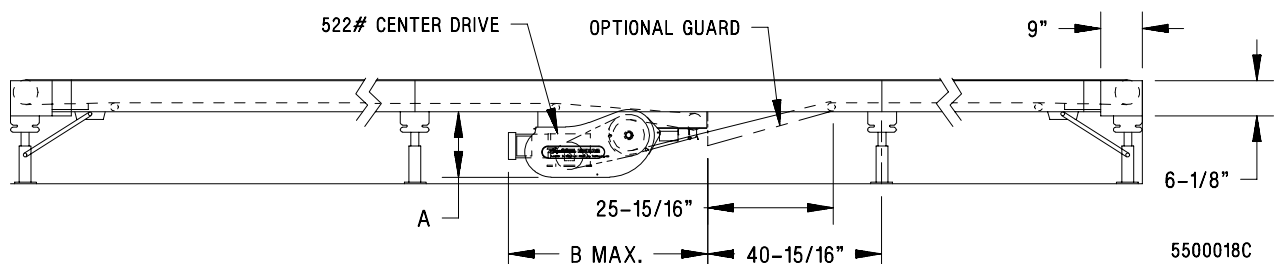


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Take-up pulley: Mounts on parallel take-up screws; adjusts manually. Maximum belt take-up:

- 26" with 520 lb (Center Drive)
- 16" with 522 lb (Center Drive)
- 24-1/2" with 1050 lb and 2050 lb Center and End Drive

Drive	A	B
520 lb	14"	54"
522 lb	17"	59"
1050 lb	27"	65"



Model 405 Slider Bed Conveyor

Rapistan Systems

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Belt: PVC-impregnated polyester carcass. With horizontal, both sides low-friction surfaces. With incline/meter/brake, low-friction on bottom, rough top. Belt width is 4" less than bed width of 30" through 54".

Bed: Painted, 12-gage steel, 5-1/4" deep box type, bolted-in crossmembers.

Motor and Reducer: 1/3 through 7-1/2 hp, C-face. Brake motor on incline/decline units.

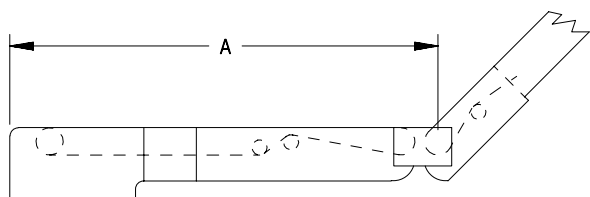
Bed Lengths: 12'. Other lengths available.

End Pulley: 4" diameter with 1-7/16" diameter fixed shaft or 6" diameter pulley with 1-15/16" diameter fixed shaft. Has precision, grease-packed ball bearings mounted in machined bores, spin formed into the ends of the pulley shell.

Return Rollers: 1.9" diameter, 16 gage, galvanized steel with 7/16" hex SR bearings.

Nose-over: Painted, 10 gage, one piece laser cut side channels, 5-1/4" deep with 2-3/16" diameter, 12-gage carrier rollers.

Power Feeder: Box type bed with 4" or 6" diameter end pulleys. A 4" or 6" diameter main line end pulley drives power feeder end pulley by chain and sprockets.



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A

Drive Pulley Dia	Widths (Nominal)					
	12"	18-24"	30"	36"	42"	48-54"
4"	3'-7-1/8"	4'-1-1/8"	5'-7-1/8"	6'-7-1/8"	9'-1-1/8"	—
6"	—	4'-2"	5'-8"	6'-8"	9'-2"	9'-4-1/16"

Accessories

Gravity Wheel Feeder

Slave Drive: Model 996 curves and junctions.

Auxiliary Horizontal Take-up: 4" diameter pulleys provide 24" or 48" of belt take-up.

Options

Speeds: Higher speeds available.

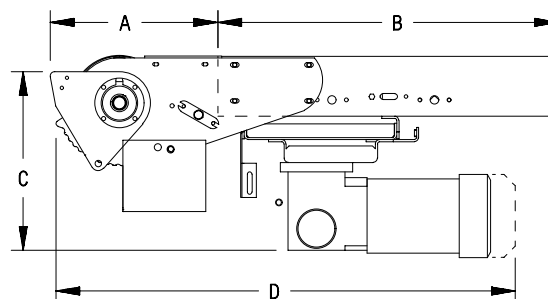
522 lb Center Drive: With chain final drive.

Beds: Galvanized roller slider has 1.9" diameter rollers projecting 7/16" above the top surface of bed, with roller centers varying from 14" to 30". Available with single or double lanes. Wheel slider also available.

Conveyor and Drive Weights: Ask your Sales Engineer for weight information.

End Pulley (underslung):

- 260 lb: 4" dia. drive pulley, 1-7/16" dia. shaft
- 520 lb: 8" dia. drive pulley, 2-7/16" dia. shaft
- 1050 lb: 12" dia. drive pulley, 1-15/16" dia. shaft



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Drive	A (in.)	B	C (in.)	D (in.)
260 lb	7-1/16	*	19-3/4	44
520 lb	15-1/2	*	19-7/8	57
1050 lb	48-1/2	—	25	69

* 2-1/2' or 10' Bed