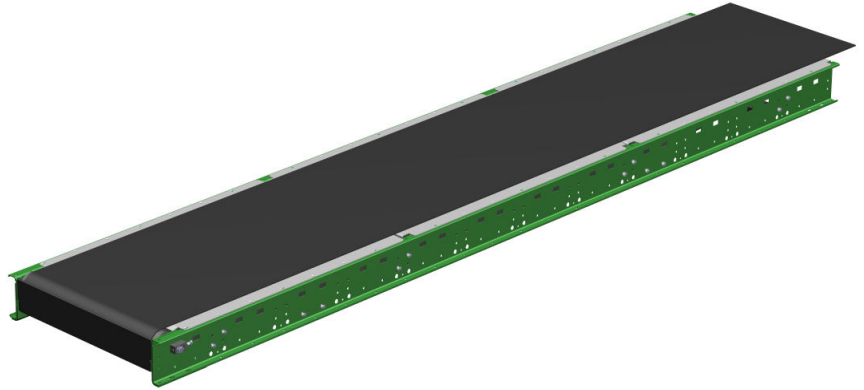


Model 9405 Belt on Slider Conveyor

- Rugged
- Versatile
- Wide range of widths

9405 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. Shares drive and end pulley assemblies with model 9410 belt-on-roller beds, which can be combined with the slider beds in a single unit.



Characteristic	Description
Operation	Two-way, horizontal, incline or decline. No accumulation.
Operating temperature	0° - 45° C (32° - 113° F); For applications near freezing, an air dryer is required. 15-25% additional system power and freezer rated (FR) bearings are recommended to avoid sluggish starts.
Capacity	144 lb/ft (214 kg/m) maximum; 200 lb (90 kg) product maximum.
Speeds	40 - 540 fpm (0.2 - 2.7 mps) fixed speeds in 10-fpm increments. VFD optional.
Drives	522 drive with 8" dia. drive pulley on a 2-7/16" dia. shaft with 1-7/16" dia. bearings. Taperlock construction pulley available if required. Chain final drive optional. 1000 lb drive with 12" dia. pulley on 2-15/16" dia. shaft with 2-7/16" dia. bearings. Self-aligning pulleys have molded-on, flat lagging.
Motor and reducer	1 through 10 hp. Van der Graaf drum motor optional.
Drive belt take-up	4" (100 mm) dia. take-up pulley with lifetime grease packed, sealed ball bearings mounted to a fixed shaft. Maximum belt take-up is 25" (635 mm).
Drive belt	PHL or PVC type polyester carcass with low-friction bottom and top surface based on application. Belt width is 2" or 4" less than between-frame width.
Bed lengths in inches (mm)	23-7/8 (606), 35-7/8 (1133), 47-7/8 (1216), 71-7/8 (1826), 95-7/8 (2435), 143-7/8 (3654)
Bed widths in inches (mm)	Standard: 19 (432), 25 (635), 31 (787), 37 (940), 43 (1092) Metric: 21-1/2 (545), 29-3/8 (745), 35-9/32 (895)
Between frame widths in inches (mm)	Standard: 16 (406), 22 (559), 28 (711), 34 (864), 40 (1016) Metric: 18-1/2 (470), 26-3/8 (670), 32-9/32 (820)

Patented Technology

Rev 2010-March-09

Characteristic	Description
Frame	Captured Roller High – 12-gage, 6-7/16" (164 mm) deep side channels Captured Roller Low – 12-gage, 8-1/2" (216 mm) deep side channels
End pulleys	4" (100 mm) diameter spun pulley with 1-7/16" diameter fixed shaft for speeds below 300 fpm or 4" machined pulley for speeds above 300 fpm.
Return rollers	1.9" diameter, 16 gage galvanized steel and 5/16" hex axle.
Bed options	Standard slider bed has slider pans bolted to the side channels. Slider bed with rollers includes rollers between slider pans for less resistance and higher speed.
Power feeder	Main line conveyor drives power feeder with 3" and 4" pulleys and synchronized HT belt and sprockets. Unit adjusts from horizontal to an incline angle of 20°.
Power tail	Main line conveyor drives the power tail with 3" and 4" pulleys and synchronized HT belt and sprockets. Unit adjusts from horizontal to a decline angle of 20°.
Nose-over	Painted, 10-gage, one-piece side channels with 2-3/16" diameter carrier rollers.

Patented Technology

Rev 2010-March-09