



Since 1948

1205, 1605, & 1608 Belt Conveyors



(Unit shown with optional decline and stands.)

1205

**For economical conveying
of light-to-medium-density
bulk materials.**



(Unit shown with optional incline and stands.)

1605

**Choose from a wide
variety of:**

- **conveyor lengths**
- **belt widths**
- **belt speeds**
- **full load capacities**

**High-Gloss Polyester
Powder Coating**



(Unit shown with optional stands.)

1608

**FLEXIBLE PAYMENT
PLANS AVAILABLE.
ASK FOR DETAILS.**



Standard Features...

that benefit you day after day.



Open pan design provides trough for extra capacity and reduces belt friction for lower power requirements. Reduces material buildup on pans for improved belt tracking.



Return wheels carry belt on return bottom to reduce friction for longer belt life and less strain on the drive system.



Precision bearings are sealed and greasable, ensuring a long-life and trouble-free, continuous duty.



(Finned pulley for clean out.)



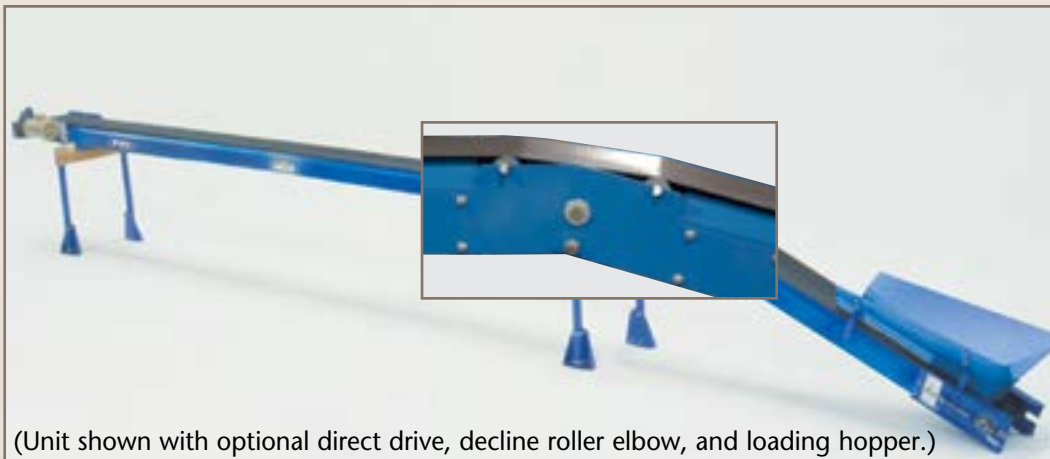
Convenient adjustment for belt tension and tracking. A 5/8" screw provides up to 20-inches of belt take-up.

High-gloss polyester powder coated steel sections resists rust. The rugged, formed frame with bolt-together conveyor sections, is made of heavy-gauge steel for durability.

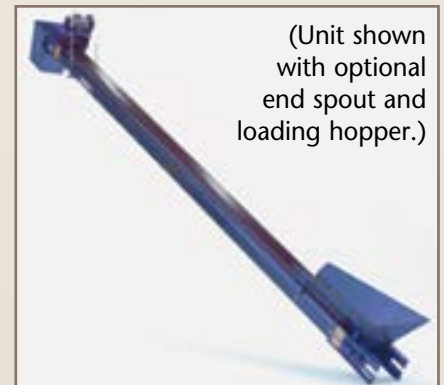
Unit	1205	1605	1608
Belt Width	12" (305 mm)	16" (406 mm)	16" (406 mm)
Belt Speed	V-Belt Drive: 370 FPM	V-Belt Drive: 370 FPM	—
	Direct Drive: 260, 130, or 65 FPM	Direct Drive: 260, 130, or 65 FPM	Direct Drive: 390 or 260 FPM
Overall Lengths	4' to 160' (1.219 m to 48.768 m)	4' to 120' (1.219 m to 36.576 m)	10' to 200' (3.048 m to 60.960 m)
	Note: 10' sections standard. 5' sections available. Can field cut to exact length for custom fit.		
Full-load Capacity	Up to 56 ft ³ /min (1.58 m ³ /min) or	Up to 90 ft ³ /min (2.55 m ³ /min) or	Up to 95 ft ³ /min (2.69 m ³ /min) or
	Up to 3,700 lbs/min (1678 kg/min)	Up to 3,700 lbs/min (1678 kg/min)	Up to 3,900 lbs/min (1769 kg/min)

1205

Providing versatility with one-way conveying!



(Unit shown with optional direct drive, decline roller elbow, and loading hopper.)



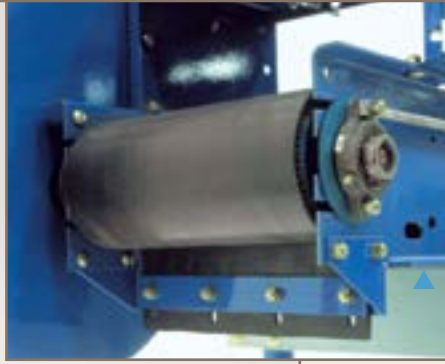
(Unit shown with optional end spout and loading hopper.)

- Move material exactly where you want with one-way conveying with adjustable decline or straight-line one-way conveying.
- Move material at your choice of 4 belt speeds.

1605

Move your materials where you want!

Heavy-duty crowned, rubber lagged steel drive pulley is 5" (127 mm) in diameter, for positive nonslip traction.



(Shown with optional belt wiper.)

(Unit shown with optional V-belt drive, incline elbow, and stands.)

- Move material exactly where you want with one-way or two-way conveying, adjustable incline, adjustable decline, or straight-line conveying and plow-off.
- Move material at your choice of 4 belt speeds.
- Also reversible.

1608

A large conveyor to handle larger volumes!

The heavy-duty 8-inch steel drive pulley is crowned and rubber lagged for positive traction.



(Unit shown with optional stands.)

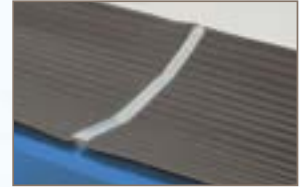
- Move grain, sawdust, forage, chips, and other bulky materials. Move material exactly where you want with one-way conveying, adjustable incline, adjustable decline or straight-line one-way conveying, and plow-off.
- Move material at your choice of 2 belt speeds.

Options...

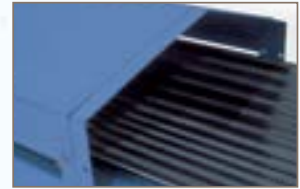
for extra versatility.



An **optional wiper** or powered brush (shown) belt wiper cleans the top surface of non-cleated belting.



Cold temperature or standard temperature belts are available with a textured or smooth surface. A cleated belt is available for 1605. The alligator or clipper splice is stainless steel.



Covers available to protect material and conveyor from wind, rain and other contaminants.



Elevate 0°-30° and then convey level with an adjustable decline. Belt stays concave when passing over the elbow for maximum capacity.



The **loading hopper** controls material loading and helps prevent spillage.



Adjustable incline permits horizontal conveying with maximum 30° incline. Available on 1605 and 1608 Conveyors only.

STANDARD Equipment		1205	1605	1608
Overall Lengths	10' (3.048) to 120' (36.576 m) in 10' (3.048 m) increments.		■	
	10' (3.048) to 160' (48.768 m) in 10' (3.048 m) increments.	■		
	10' (3.048) to 200' (60.960 m) in 10' (3.048 m) increments.			■
	Maximum length of individual bed section is 10' (3.048 m); modular sections bolt together for lengths beyond 10' (3.048 m).	■	■	■
Frame	Concave open bed, formed 16 ga. powder coated steel.	■	■	■
	6 1/2" (165 mm) depth, 12 7/8" (327 mm) width.	■		
	6 1/2" (165 mm) depth, 17 1/8" (435 mm) width.		■	■
Belt Width	12" (305 mm)	■		
	16" (406 mm)		■	■
Belt	Choose from various belt choices to match environment and material conveyed.	■	■	■
Belt Speed	370 ft/min (112.8 m/min), 260 ft/min (79.2 m/min), 130 ft/min (39.6 m/min). or 65 ft/min (19.8 m/min), depending on drive selected.	■	■	
	390 ft/min (118.9 m/min), 260 ft/min (79.2 m/min), depending on drive selected.			■
Drive Pulley	5" (127 mm) dia., crowned, steel, rubber lagged.	■	■	
	8" (203 mm) dia., crowned, steel, rubber lagged.			■
Tail Pulley	5" (127 mm) dia., finned, steel.	■	■	■
Bearings	Long-life, sealed, prelubricated, greasable.	■	■	■
	1 1/4" bearing on idler and drive end.	■	■	
	1 1/4" bearing on idler; 1 1/2" bearing on drive end.			■
Belt Take-up	Screw-type take-up at tail pulley.	■	■	■
Load Capacity	Up to 56 ft ³ /min (1.58 m ³ /min), 3,700 lbs/min (1678 kg/min).	■		
	Up to 90 ft ³ /min (2.55 m ³ /min), 3,700 lbs/min (1678 kg/min).		■	
	Up to 95 ft ³ /min (2.69 m ³ /min), 3,900 lbs/min (1769 kg/min).			■
Span	Up to 20' (6.096 m) between supports.	■	■	■
Color	Blue high-gloss polyester powder coat.	■	■	■
Electrical Controls	Customer supplied, except optional equipment.	■	■	■
Assembly	Conveyor supplied unassembled.	■	■	■
OPTIONAL Equipment		1205	1605	1608
Overall Lengths	Conveyor lengths from 4' (1.219 m) to 200' (60.960 m) are possible.*			■
	Conveyor lengths from 4' (1.219 m) to 160' (48.768 m) are possible.*	■		
	Conveyor lengths from 4' (1.219 m) to 120' (36.576 m) are possible.*		■	
	*Intermediate lengths are possible by field cutting.			
Belt	Black, P.V.C. 120 COS, smooth or textured, standard & cold temp. Other belts available on request.	■	■	■
	Black, P.V.C. 120 COS, cleated for 10' (3.048 m) to 40' (12.192 m).		■	
Drive Mount	Mount in various positions to match installation requirements.	■	■	■
Drive Motors	1 to 3 HP, 1 Ph. or 3 Ph. electric motor drive; hydraulic motor drive also available.	■	■	
	3 HP or 5 HP, 1 Ph. or 3 Ph. electric motor drive.			■
Conveyor Supports	Supports and mounting hardware available.	■	■	■
Covers	20 ga. powder coated in 10' (3.048 m) lengths.	■	■	■
Loading Hoppers	Funnels material into conveyor trough.	■	■	■
End Spout	Directs material discharge.	■	■	■
Belt Wipers	Blade or brush types for cleaning top of belts.	■	■	■
Magnets	Remove ferrous metals as the material slides over magnets.	■	■	■
Adjustable Decline	Adjust 0° to 30°.	■	■	■
Adjustable Incline	Adjust 0° to 30°.		■	■
Convey Sides	Positions material and helps seal edges to prevent material under belt.	■	■	■
Plow-Off	Locate anywhere along the conveyor to plow off in one direction.		■	■
Electrical Control	Reversing drum switch.		■	



CAUTION: Never operate Patz equipment without all shields and guards in place. Safety is no accident. Before operating any piece of equipment, be sure to read and understand the operator's manual. This manual should be kept with the machine at all times. Additionally, make sure all safety shields and devices are functioning properly and are securely in place.



For some photos in this brochure, guards were removed for photographic purposes only to allow viewing of the equipment features. Before operating equipment, all guards must be in place. Because Patz continually improves and updates products, Patz reserves the right to change the construction of machines or attachments or any part thereof without incurring any obligation to make like changes on Patz machines, or attachments previously delivered. Specifications and prices subject to change without notice.

Proven Performance You Can Count On!
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