



# 2405, 2410, & 3605 BELT CONVEYORS



## **SIMPLE, RELIABLE, & FLEXIBLE**

- ✓ Customize Layout Based on Needs
- ✓ Ideal for Conveying Light-to-Medium Materials
- ✓ Durable High-Gloss Polyester Powder Coating

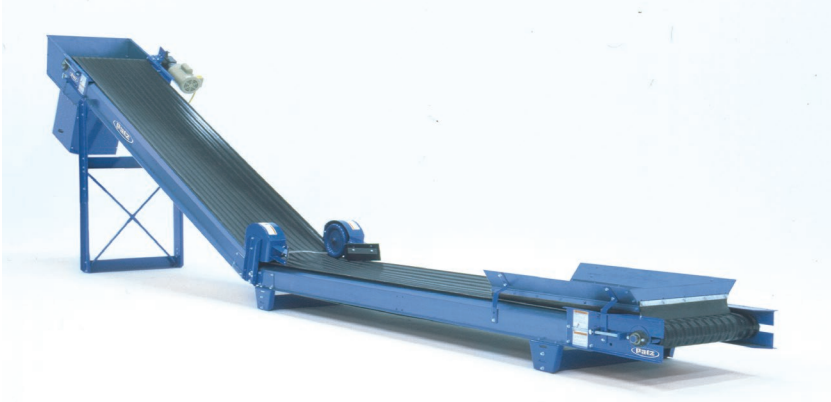
# 2405, 2410, & 3605 Belt Conveyors

## MODELS

# 2405, 2410, & 3605 Belt Conveyors

## FEATURES

### 2405: ONE-WAY OR TWO-WAY CONVEYING



- 4 Belt Speeds
- Reversible  
*\*Not reversible with incline*
- Adjustable elbow or straight-line conveying and plow-off
- Moves high volumes of material

### 2410: ONE-WAY OR TWO-WAY CONVEYING



- 3 Belt Speeds
- Reversible  
*\*Not reversible with incline*
- Adjustable elbow or straight-line conveying and plow-off
- Moves high volumes of material

### 3605: ONE-WAY CONVEYING



- 4 Belt Speeds
- Widest belt conveyor
- Moves high volumes of material

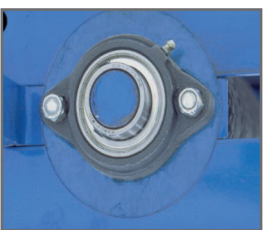
### STANDARD FEATURES



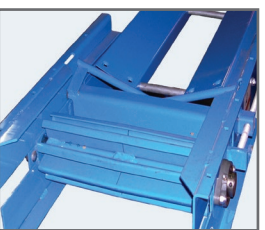
Open pan design provides extra capacity and reduces belt friction for lower power requirements. Reduces material buildup on pans for improved belt tracking.



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.

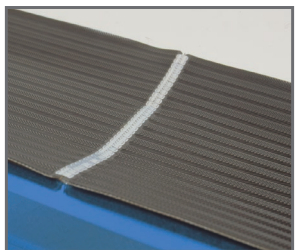


Convenient adjustment for belt tension and tracking. A 5/8" screw provides up to 20" of belt take-up. The pulley is finned for clean-out.



High-gloss polyester powder coated steel resists rust. The bolt-together conveyor sections are made of heavy-gauge steel for durability.

### OPTIONAL FEATURES



PVC Belting Options:



Smooth



Textured

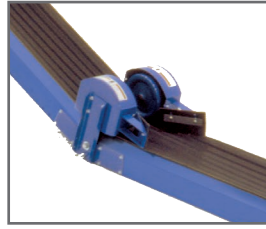


Cleated

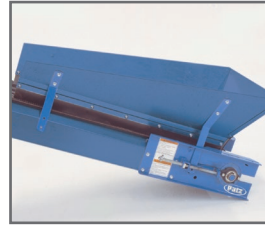
Standard or Low-Stretch, cold temperature belts are available with a textured or smooth surface. A cleated belt is available for 1605. The alligator or clipper splice is stainless steel.



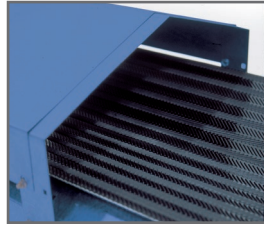
Adjustable 0 - 30° incline and decline. Belt stays concave when passing over the elbow for maximum capacity.  
*Note: 1605 & 1608 models only.*



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



Loading hopper controls material loading and helps prevent spillage.



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

# 2405, 2410 & 3605 Belt Conveyors

## SPECIFICATIONS

STANDARD Equipment	2405	2410	3605
<b>Direction</b>	Two-way	Two-way	One-way
<b>Overall Lengths</b> <i>Max length of individual bed section: 10' (3.05m); Bolt together for lengths &gt; 10' 3.05m)</i>	10' - 120' (3.05 - 36.58m) 10" (3.05m) increments Reversible < 75'	10' - 400' (3.05 - 120.92m) 10" (3.05m) increments Reversible < 100'	10' - 120' (3.05 - 36.58m) 10" (3.05m) increments
<b>Frame</b> <i>concave open bed, formed 14 ga. powder coated steel</i>	Depth: 6 ½" (165mm) Width: 26 ¾" (679mm)	Depth: 6 ½" (165mm) Width: 26 ¾" (679mm)	Depth: 6 ½" (165mm) Width: 41 ¼" (1048mm)
<b>Belt Width</b>	24" (610mm)	24" (610mm)	36" (914mm)
<b>Belt</b>	Non-standard. Order as optional equipment.		
<b>Belt Speed</b> <i>dependent on drive selected</i>	370 ft/min (112.8m/min) 260 ft/min (79.2m/min) 130 ft/min (39.6m/min) 65 ft/min (19.8m/min)	240 ft/min (73.15m/min) 120 ft/min (36.57m/min) 95 ft/min (29m/min)	370 ft/min (112.8m/min) 260 ft/min (79.2m/min) 130 ft/min (39.6m/min) 65 ft/min (19.8m/min)
<b>Drive Pulley (diameter)</b> <i>Crowned, steel, rubber lagged</i>	5" (127mm)	10" (254mm)	5" (127mm)
<b>Tail Pulley (diameter)</b> <i>Finned, steel</i>	5" (127mm)	5" (127mm)	5" (127mm)
<b>Bearings</b> <i>Long-life, sealed, prelubricated, greasable</i>	1 ¼" (31.75mm) - Idler and Drive End	1 ¼" (31.75mm) - Idler and Drive End	1 ¼" (31.75mm) - Idler and Drive End
<b>Belt Take-up</b>	Screw-type take-up at tail pulley		
<b>Drive Mount</b>	Non-standard. Order as optional equipment.		
<b>Load Capacity</b>	<209 ft <sup>3</sup> /min (5.91m <sup>3</sup> /min) 3700 lb/min (1678 kg/min)	<136 ft <sup>3</sup> /min (3.85m <sup>3</sup> /min) 2400 lb/min (1089 kg/min)	<440 ft <sup>3</sup> /min (12.46m <sup>3</sup> /min) 3700 lb/min (1678 kg/min)
<b>Span</b>	< 20' (6.096m) between supports		
<b>Electrical Controls</b>	Customer supplied, except optional equipment		
<b>Assembly</b>	Conveyor is shipped unassembled		
OPTIONAL Equipment	2405	2410	3605
<b>Overall Lengths</b> <i>Intermediate lengths are possible by field cutting</i>	4' - 120' (1.22 - 36.58m)	4' - 400' (1.22 - 120.92m)	4' - 120' (1.22 - 36.58m)
<b>Belt</b> <i>Black, PVC, 120 COS *ask about other options</i>	Smooth or textured; Standard or cold temp	Smooth or textured; Standard or cold temp	Cleated for 10' - 40' (3.05 - 12.19m)
<b>Drive Mount</b>	Mount in various positions to match installation requirements		
<b>Drive Motors</b>	1-3 HP, 1 or 3 phase electric motor drive; Hydraulic motor drive also available	3 or 5 HP - 1 or 3 phase electric motor drive	1-3 HP, 1 or 3 phase electric motor drive; Hydraulic motor drive also available
<b>Conveyor Supports</b>	Supports and mounting hardware available		
<b>Covers</b>	10' (3.05m) lengths; 16 ga. powder coated	10' (3.05m) lengths; 16 ga. powder coated	10' (3.05m) lengths; 14 ga. powder coated
<b>Loading Hoppers</b>	Material is funneled into conveyor trough		
<b>End Spout</b>	Directs material discharge		
<b>Spout Extension</b>	Attached to end spout		
<b>Belt Wipers</b>	Blade or brush for cleaning tops of belt		
<b>Magnets</b>	Ferrous metals are captured as it travels over the magnets		
<b>Adjustable Decline</b>	0 - 30°	0 - 30°	
<b>Adjustable Incline</b>	0 - 30°	0 - 30°	
<b>Convey Sides</b>	Positions material and seals edges to prevent material from getting under belt		
<b>Plow-Off</b>	Designate location on conveyor to plow-off in one direction		
<b>Electrical Control</b>	Reversing drum switch		
<b>Magnetic Pulley</b>	Captures and removes tramp metal from flow		



**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.