



Since 1948

# Chain & Flite Conveyors

Transport material where needed!

High-Gloss  
Polyester Powder  
Coating



1025C

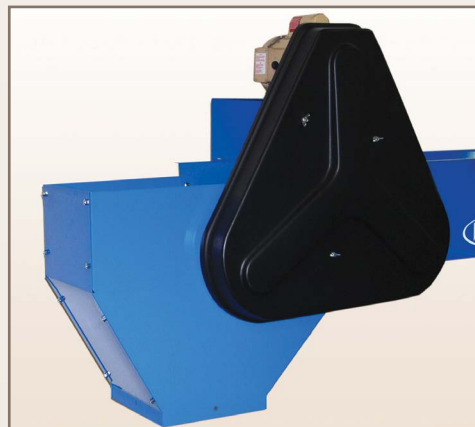
1040C

1630C

- Move feed, granular materials, bulky fibrous materials, sawdust, and more.
- Move material exactly where you want it with optional decline or straight-line one-way conveying. Reversible conveying available in straight-line conveyor.
- Detachable steel chain with steel or rubber flites (based on unit selection).
- Choice of trough widths ranging from 10" to 16" (254 mm to 406 mm).
- Choose from a variety of overall lengths, ranging from 4' to 100' (1.2 m to 30 m).
- Moves high volumes of materials up inclines (up to 40°) with low horsepower requirements.

# 1025C

*Elevates up to 40° for installation versatility.*



- Install easily with custom-built lengths. Modular sections bolt together. Can be field cut to exact length.
- This conveyor delivers up to 81 ft<sup>3</sup> (2.3 m<sup>3</sup>) of material per minute.
- Cover sections are available to bolt on trough to keep out rain and other contaminants.
- Optional spouts allow precise placement of discharged material.



**Elevates up to 40° for installation versatility.**

Detachable steel chain with steel-braced, 2 ½" high rubber flites and 12-inch spacing provides high capacity. Save money in the future with replaceable, bolt-in-place trough pans.



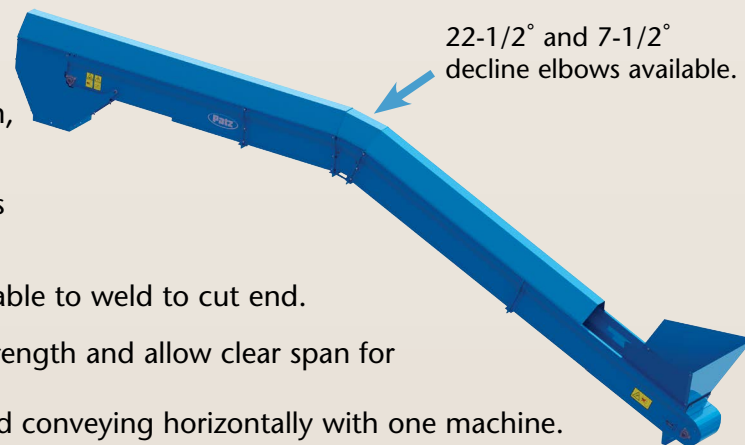
All-belt drive allows easy maintenance. Greaseable bearings provide long life (guard removed for viewing).



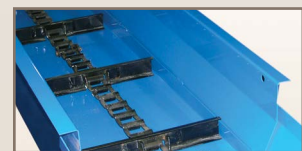
# 1040C

*Low profile unit spans up to 40 feet (12 m) for versatility*

- Direct electric drive utilizes a C-faced motor for 98 FPM speed capacity. Drive can be installed on either hand.
- Lower profile and less maintenance thanks to simple design, eliminating v-belts and roller chain guards.
- Drive and idler shafts feature industrial, greaseable bearings with malleable iron housing.
- Center sections can be field cut. Coupler brackets are available to weld to cut end.
- Welded coupler brackets provide reinforcement for extra strength and allow clear span for convenient installation.  
Optional declines of 7 ½° or 22 ½° allow elevating and conveying horizontally with one machine. Two 7 ½° elbows fastened together can be used to form a 15° elbow.
- Optional End Cap Cover Package reduces possible contamination by birds or environmental elements.
- Optional VFD provides ability to adjust motor speed to match conveying capacity.



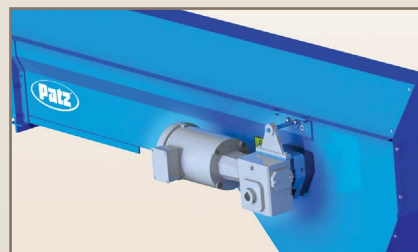
22-1/2° and 7-1/2° decline elbows available.



Detachable steel chain with steel flites provides high capacity.



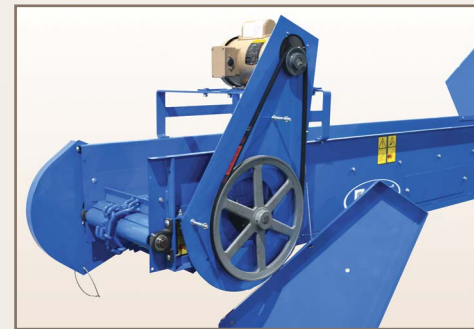
Optional spouts deliver material where you desire, while optional hopper helps prevent spilling and waste.



The motor mounts left or right for installation versatility. The 1040C uses an enclosed speed reducer for low profile and low maintenance.

# 1630C

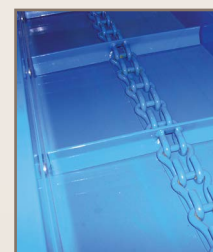
*A popular and versatile conveyor*



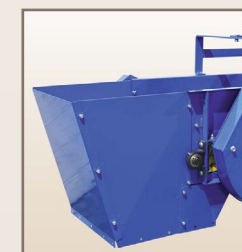
The motor conveniently mounts on top or bottom of conveyor for installation versatility. The 1630C uses a single V-belt with roller chain reduction. (Guards removed for viewing.)



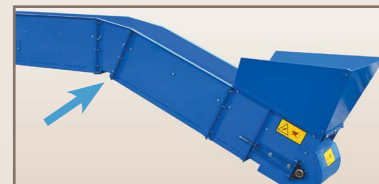
Bolt-together coupler brackets provide reinforcement for extra strength and allow up to 30-foot (9 m) span between supports. A 100-foot (30 m) conveyor weighs more than 3,100 pounds (1,406 kg) with rugged construction.



Heat-treated, heavy-duty, double-hook links are welded to 2-inch by 15 ½-inch steel flites. Flite spacing is 14 ½-inches. Links are detachable without tools for easy service.



Optional spouts deliver material where you desire, while the optional hopper helps prevent spilling and waste.



A 22 ½° decline elbow increases flexibility and permits elevation change without additional motors.

- Move material easily with one-way or two-way conveying.
- Conveyor chain with double-hook links welded to steel flites add to your peace of mind.
- Installs easily with custom-built lengths. Add 2 ½, 5, or 10-foot (.8, 1.5, or 3 m) sections as needed up to 100 feet (30 m).
- Replaceable elbow pans add extra life. All pans are bolted in place and replaceable.
- Bearings are long-life, sealed, prelubricated, and greaseable for reliable, continuous duty.
- Center sections can be field cut. Coupler brackets are available to weld to cut end.
- Cover sections are available to bolt on to trough to keep out rain and other contaminants.
- Welded coupler brackets provide reinforcement for extra strength and allow clear span for convenient installation.

## Choice of trough widths ranging from 10" to 16" (254 mm to 406 mm)

| Unit                      | 1025C   | 1040C   | 1630C   |
|---------------------------|---|---|---|
| <b>Trough Width</b>       | Bottom: 10" (254 mm)  | Bottom: 10" (254 mm)  | 16" (406 mm)  |
|                           | Top: 12 ½" (318 mm)   | Top: 12" (305 mm)   | —   |
| <b>Trough Depth</b>       | 7 ½" (191 mm)   | 6" (152 mm)   | 6" (152 mm)   |
| <b>Trough Lengths</b>     | 4' to 25' (1.2 to 7.6 m)  | 10' to 65' (3 to 19.8 m)                                      | 10' to 100' (3 to 30 m)   |
| <b>Full-load Capacity</b> | 81 ft <sup>3</sup> (2.3 m <sup>3</sup> ) per minute             | 45 ft <sup>3</sup> (1.3 m <sup>3</sup> ) per minute           | 66 ft <sup>3</sup> (1.8 m <sup>3</sup> ) per minute               |
|                           | 1,460 lbs. (662 kg) per minute<br>225 lbs. (102 kg) on conveyor | 810 lbs. (367 kg) per minute<br>535 lbs. (243 kg) on conveyor | 1,190 lbs. (540 kg) per minute<br>1,585 lbs. (719 kg) on conveyor |

| STANDARD Equipment               |   | 1025C | 1040C | 1630C |
|----------------------------------|---|-------|-------|-------|
| <b>Overall Lengths</b>           | 11', 16', 21', 26' (3.4, 4.9, 6.4, 7.9 m).  | ■     |       |       |
|                                  | 11' to 66' (3.4 to 20.1 m) in 2½' (762 mm) increments.  |       | ■     |       |
|                                  | 10'7" to 100'7" (3.2 to 30.7 m) in 2½' (762 mm) increments.   |       |       | ■     |
| <b>Trough Lengths</b>            | 10', 15', 20', 25' (3, 4.6, 6.1, 7.6 m). Any length from 4' to 25' (1.2 to 7.6 m) by field cutting.   | ■     |       |       |
|                                  | 10' to 65' (3 to 19.8 m) in 2½' (762 mm) increments.  |       | ■     |       |
|                                  | 10' to 100' (3 to 30 m) in 2½' (762 mm) increments.   |       |       | ■     |
| <b>Loaded Trough Widths</b>      | 10" (254 mm) bottom; 12½" (318 mm) top.   | ■     |       |       |
|                                  | 10" (254 mm) bottom; 12" (305 mm) top.  |       | ■     |       |
|                                  | 16" (406 mm)  |       |       | ■     |
| <b>Frame</b>                     | Trough with enclosed chain return, formed 16-gauge high-gloss polyester powder-coated steel, 14¾" (375 mm) width and 12" (305 mm) height (17¾" 451 mm with covers). Modular sections bolt together. | ■     |       |       |
|                                  | Trough with chain return, formed 16-gauge high-gloss polyester powder-coated steel, 14¾" (375 mm) width and 13" (330 mm) height (18¾" 476 mm with covers). Modular sections bolt together.          |       | ■     |       |
|                                  | Trough with chain return, formed 16-gauge high-gloss polyester powder-coated steel, 16" (406 mm) width and 13" (330 mm) height (18¾" 476 mm with covers). Modular sections bolt together.           |       |       | ■     |
| <b>Chain</b>                     | No. 62 detachable, steel.   | ■     | ■     |       |
|                                  | No. 66, 7/16" (11 mm) heat treated double-hook links that can be connected or separated easily for simple adding or removal, making chain adjustments or repair convenient.                         |       |       | ■     |
| <b>Flites</b>                    | 2½" by 9" (64 by 229 mm) rubber and 12" (350 mm) spacing.   | ■     |       |       |
|                                  | 1½" by 9½" (38 by 229 mm) steel and 12" (350 mm) spacing.   |       | ■     |       |
|                                  | 2" by 15½" (51 by 394 mm) steel and 14" (356 mm) spacing.   |       |       | ■     |
| <b>Chain Speed</b>               | 160 F.P.M. (49 M.P.M.), constant, one direction.  | ■     |       |       |
|                                  | 98 F.P.M. (30 M.P.M.), constant, one direction.   |       | ■     |       |
|                                  | 75 F.P.M. (23 M.P.M.), constant, 1-way or 2-way directional.  |       |       | ■     |
| <b>Bearings</b>                  | Greasable sleeve.   | ■     |       |       |
|                                  | Long-life, sealed, prelubricated, greasable.  |       | ■     |       |
|                                  | Long-life, sealed, prelubricated, greasable.  |       |       | ■     |
| <b>Chain Take-up</b>             | Screw-type at tail end.   | ■     |       |       |
|                                  | Screw-type take-up at tail pulley.  |       | ■     |       |
|                                  | Screw-type idler end.   |       |       | ■     |
| <b>Drive Motor</b>               | None standard; available as optional equipment.   | ■     | ■     | ■     |
| <b>Drive Mount</b>               | End drive, above trough.  | ■     |       |       |
| <b>Motor Mount</b>               | None standard; available as optional equipment.   | ■     | ■     | ■     |
| <b>Load Capacity</b>             | Up to 81 ft³/min (2.3 m³/min), 1,460 lbs/min (662 kg/min), 225 lbs (102 kg) on conveyor.  | ■     |       |       |
|                                  | Up to 45 ft³/min (1.3 m³/min), 810 lbs/min (367 kg/min), 535 lbs (243 kg) on conveyor.  |       | ■     |       |
|                                  | Up to 66 ft³/min (1.8 m³/min), 1,190 lbs/min (540 kg/min), 1,585 lbs (719 kg) on conveyor.  |       |       | ■     |
| <b>Span</b>                      | Up to 25' (7.6 m) between supports.   | ■     |       |       |
|                                  | Up to 40' (12 m) between supports.  |       | ■     |       |
|                                  | Up to 30' (9.1 m) between supports.   |       |       | ■     |
| OPTIONAL Equipment               |   | 1025C | 1040C | 1630C |
| <b>Drive Motors</b>              | 1 HP (746 watts), 1 Phase or 3 Phase  | ■     | ■     |       |
|                                  | 1 HP (746 watts) to 3 HP (1670 watts), 1 Phase or 3 Phase   |       |       | ■     |
| <b>Motor Mount</b>               | End drive, above the trough.  | ■     |       |       |
|                                  | End drive, left or right side.  |       | ■     |       |
|                                  | End drive, above or below the trough.   |       |       | ■     |
| <b>Conveyor Supports Bracket</b> | Protects bottom of conveyor where supported or suspended.   | ■     |       |       |
| <b>Elbow Assembly</b>            | 22½° provides a 5" per foot (127 mm per 305 mm) pitch; 7½° provides 1-9/16" per foot (191 mm per 305 mm) pitch. use two 7½° elbows to make a 15° elbow.   |       | ■     |       |
|                                  | 22½° provides a 5" per foot (127 mm per 305 mm) pitch.  |       |       | ■     |
| <b>Covers</b>                    | Bolt-on 10' (3 m) covers available.   | ■     |       |       |
|                                  | 10' (3 m) bolt-on for conveyor sections and elbow.  |       | ■     | ■     |
| <b>Loading Hopper</b>            | Funnels material into conveyor trough. 34" (864 mm) width.  | ■     | ■     | ■     |
| <b>Short Spout</b>               | Installs on front end of conveyor.  | ■     |       |       |
|                                  | Use where lower overall height is required.   |       | ■     |       |
| <b>Long Spouts</b>               | Are available.  | ■     | ■     |       |
| <b>Idler Stand</b>               | Attaches to rear section of conveyor to hold end off the surface.   |       | ■     |       |
| <b>Discharge Spout</b>           | Installs on front end of conveyor.  |       |       | ■     |



**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.

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