

Series CTR Conveyor FEATURES

RAPAT SERIES CTR: THE CHANNEL FRAMED TROUGHING ROLLER CONVEYOR

Off the shelf CEMA standard components make this conveyor as easy to maintain as your automobile! Rapat engineering makes it capable of handling the workload of your operation— day in and day out.

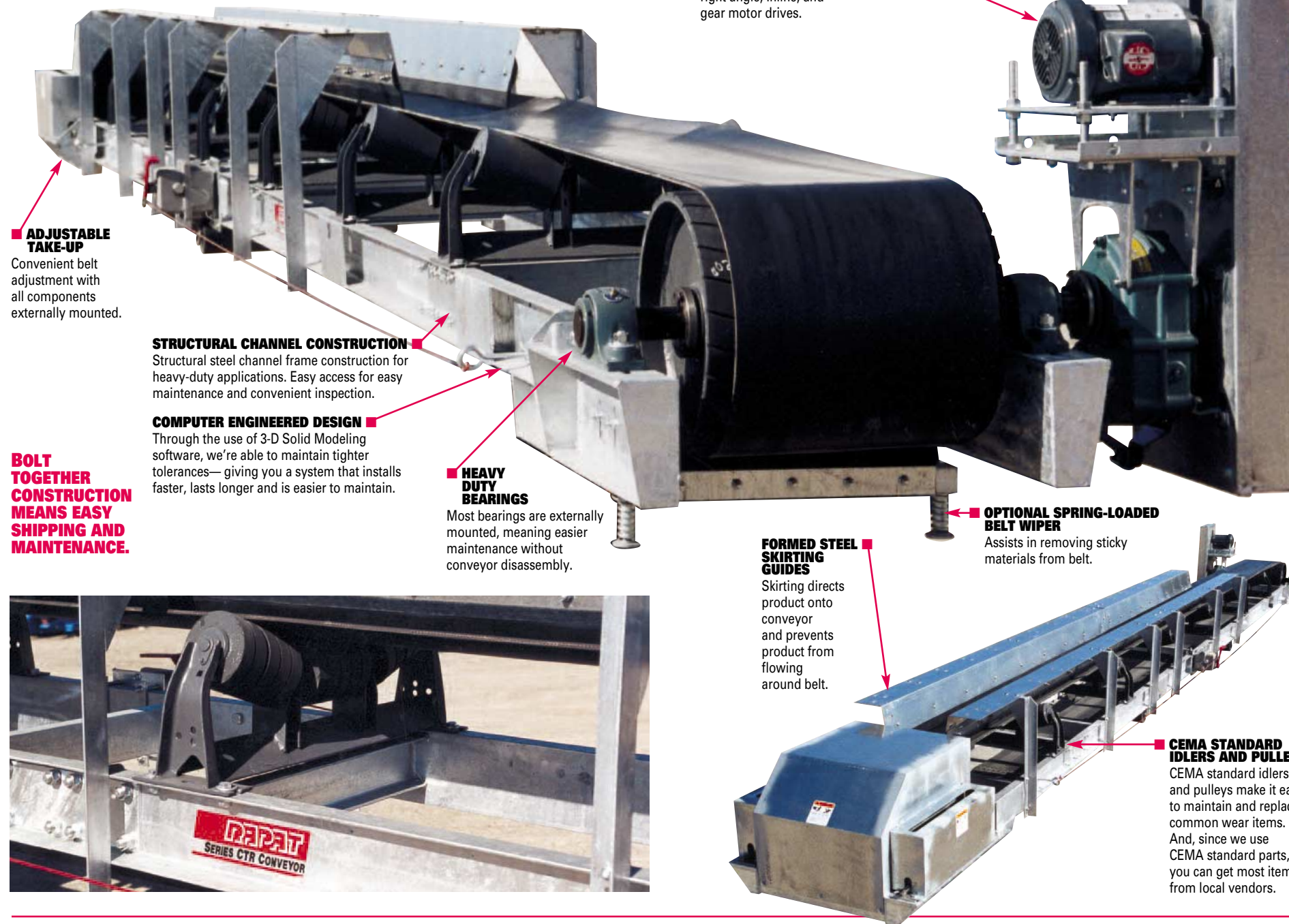
The CTR conveyor features many of the same design specifications as our ECTR conveyor, including bolt-together construction.

CTR SERIES FEATURES

- Structural channel frame is open to allow easy access to the idlers for maintenance and inspection.
- Used in applications where an enclosure is not required or will not fit due to space or other restrictions.
- Open conveyors allow easy inspection of product loading areas and belt tracking.
- Structural channel frame is strong and easy to install. Attaching supports is made easier too. It is built and shipped in bolt-together sections for easy assembly and installation as well as allowing for reduced freight costs.
- Utilizes easy to obtain, “off the shelf” CEMA standard idlers and components. Idler options include 20, 35 & 45-degree idlers for a wide variety of products in various capacities and applications. Rapat uses only common CEMA standard components which allows the customer easy access to replacement parts.

TROUGHING ROLLERS CARRY THE LOAD

Our Troughing Roller system is designed to reduce friction and shape the belt to form a “U” shaped trough, allowing higher capacities and lower maintenance.



ADJUSTABLE TAKE-UP
Convenient belt adjustment with all components externally mounted.

STRUCTURAL CHANNEL CONSTRUCTION
Structural steel channel frame construction for heavy-duty applications. Easy access for easy maintenance and convenient inspection.

COMPUTER ENGINEERED DESIGN
Through the use of 3-D Solid Modeling software, we're able to maintain tighter tolerances—giving you a system that installs faster, lasts longer and is easier to maintain.

HEAVY DUTY BEARINGS
Most bearings are externally mounted, meaning easier maintenance without conveyor disassembly.

MOTOR AND DRIVE
Shown with standard shaft-mounted reducer. Many options available, including right angle, inline, and gear motor drives.

OPTIONAL SPRING-LOADED BELT WIPER
Assists in removing sticky materials from belt.

FORMED STEEL SKIRTING GUIDES
Skirting directs product onto conveyor and prevents product from flowing around belt.

CEMA STANDARD IDLERS AND PULLEYS
CEMA standard idlers and pulleys make it easy to maintain and replace common wear items. And, since we use CEMA standard parts, you can get most items from local vendors.



BUILD IT YOUR WAY

Bolt-together construction has its advantages— easy customization! No matter if you choose special options today— or years from now— you'll always be able to easily bolt-on the options that suit your specific purpose. While the only limitations are your imagination and need, here are a few of the more common customization features we've designed:

- Zero speed switch to alert if a specific pulley has stopped turning.
- Plug switch mounted in discharge to shut off conveyor if discharge chute plugs.
- Belt alignment switches to shut off conveyor or alerts an operator should the belt become misaligned.
- Emergency shutoff switch can be activated anywhere along the length of conveyor for safer operation.
- Dust collection ports located along conveyor to allow a dust collector to be tied into the conveyor for dust removal.
- Belt cleaning systems. Belt brushes, wipers and plows are available to help clean the belt and reduce product carry-back with sticky or damp products.
- Frame construction is available in mild steel with enamel or epoxy finish, galvanized or stainless steel.
- Belting options include standard rubber or PVC belts with white food grade, high temp or oil & chemical resistance also available. Mechanical belt splices are standard. Vulcanized belt splices are optional.
- Metal detectors, belt scales and various magnets are available and can be adapted to fit the CTR frame.
- Skirting is available as needed to help keep the product contained on the center of the belt through multiple inlets.
- Slight bend sections from horizontal to slight inclines are available where necessary and practical.