

# THOMAS CONVEYOR

and Equipment Company, Inc.



28 Hillside Avenue • Hillside, IL 60162-0736

Phone (708) 449-2100 • Fax (708) 449-2106 • www.TCECONVEYORS.com

## Series ETR Conveyor OPTIONAL FEATURES



### ■ PRESSURE PLUG SWITCH -

Designed to produce a signal if the flow of material is interrupted.

### ■ ZERO SPEED SWITCH -

Will sense underspeed, overspeed or zero speed conditions.



### ■ EXTERNAL BEARING GREASE KIT -

Permits fast greasing of all internal idler bearings from one side of conveyor.



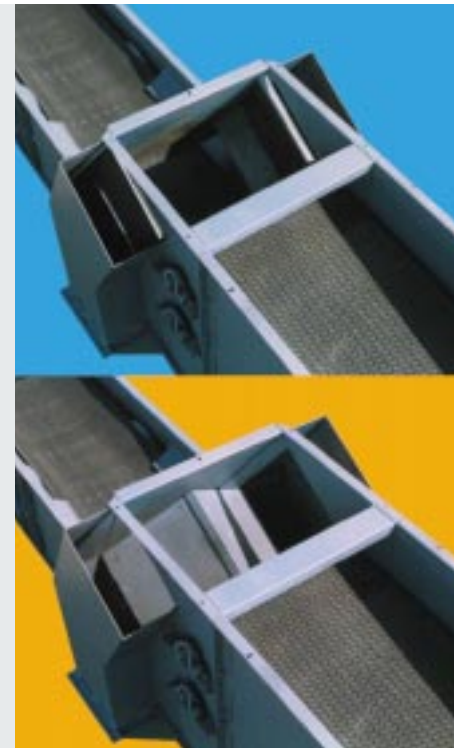
### INTERMEDIATE DISCHARGE

Single or multiple discharges may be added to allow the discharge of material at any point along the conveyor.

The Intermediate Discharge is ideal for outdoor installations, over multiple bins, tanks, buildings—or any application where multiple discharge points are required. Discharge doors may be operated manually, electrically or pneumatically.

*Top: With bypass doors open, material flows through bypass to end of conveyor.*

*Bottom: Closed bypass doors (manual, electric or pneumatic operation) redirects material around belt and discharges below conveyor.*



## RAPAT CORPORATION PRODUCT LINE CARD

### CONVEYORS

- ENCLOSED BELT
- BAGGING
- CLEATED BELT
- TRUCK & RAILCAR UNLOADERS
- FLEXIBLE SIDEWALL
- PORTABLE BELT
- FOOD HANDLING
- TROUGHING ROLLER
- PLASTIC & WIRE BELTS
- SLIDER BED
- STAINLESS STEEL CONSTRUCTION
- EN-MASSE (DRAG)
- CUSTOM CONVEYORS

### DISTRIBUTORS

- ROTO-FLO
- ROTARY VALVE
- SWING-FLO

### BUCKET ELEVATORS

- COMPLETE BUCKET ELEVATOR ASSEMBLIES
- CUSTOM ACCESSORIES
- BACKLEG ROLL OPTIONS

### SCREW CONVEYORS

- TUBE TYPE SCREW CONVEYORS
- AUGER FLIGHTING

### HORIZONTAL UNLOAD POWERHEADS

- 25 DEGREE INCLINE POWERHEADS
- BIN UNLOAD TUBES WITH ROLLER SLIDE GATES
- BANJO SUMP BIN UNLOAD TUBES
- ELECTRIC / HYDRAULIC DRIVE KITS

### ACCESSORIES

- HOPPER CAR UNLOADERS
- TRANSFER SPOUTING
- CAST IRON TURNHEADS
- REVERSIBLE ELBOWS
- DRAW OFF SPOUTS

### INDUSTRIAL MATERIAL HANDLING SOLUTIONS THAT WORK!

At The Rapat Corporation, we approach each project with the intent of finding a better way to solve our customers' problems by listening to their individual needs, and applying what we learn to best solve their specific material handling requirements.

Put our experience with some of the largest Fortune 500 Corporations to work for you—call toll-free today for more information.

## SERIES ETR CONVEYOR



### ENCLOSED TROUGHING ROLLER



# Series ETR Conveyor FEATURES

## RAPAT ENCLOSED TROUGHING ROLLER CONVEYORS ARE SMOOTH, QUIET AND TOUGH!

All Rapat Conveyors are designed and built to exacting specifications— giving you a system that will give you more years of service, with less downtime and repair.

Heavy-duty construction ensures a long life, and competitive pricing offers cost efficiency.



REMOVABLE ACCESS COWLING  
Tail cowlings remove quickly for service access.

## EASY ACCESS FOR MORE REGULAR MAINTENANCE

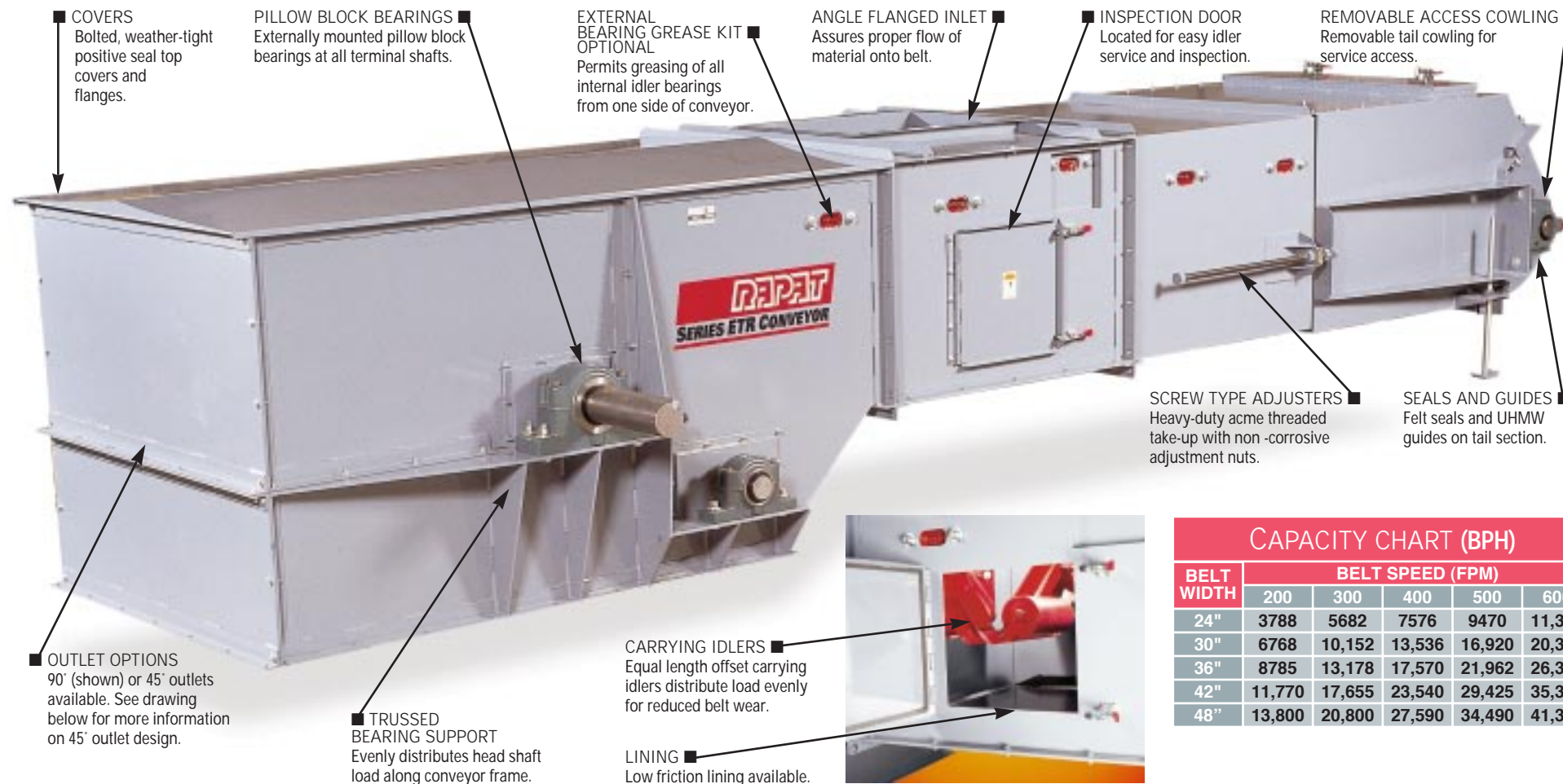
Easy-access features that simplify maintenance are built right into every ETR Conveyor. Features like access doors placed along the conveyor, and removable hoods to get you in and out of the head and tail sections quickly.

## TROUGHING ROLLER DESIGN FOR IMPROVED PERFORMANCE

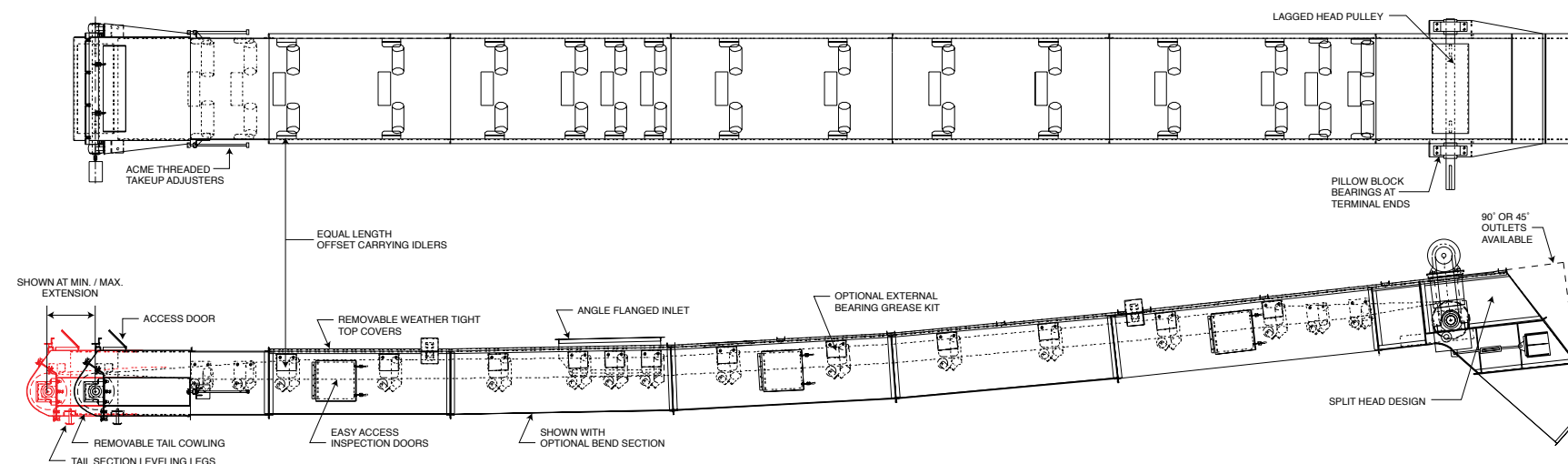
The design of our troughed idler reduces overall friction. With sizes to fit your high-capacity needs, the troughing roller becomes an important feature, allowing for improved performance and less belt wear.

## MAXIMUM CAPACITIES

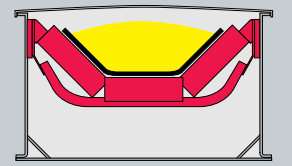
An accepted world-wide industry standard for high capacity conveying, Rapat's troughing roller idlers hold belt "trough" shape better than other idler styles, meaning better fill capacities and transfer rates.



CAPACITY CHART (BPH)					
BELT WIDTH	BELT SPEED (FPM)				
	200	300	400	500	600
24"	3788	5682	7576	9470	11,364
30"	6768	10,152	13,536	16,920	20,304
36"	8785	13,178	17,570	21,962	26,355
42"	11,770	17,655	23,540	29,425	35,310
48"	13,800	20,800	27,590	34,490	41,370



## TYPICAL CROSS SECTION



## SPECIFICATIONS

Lengths	Any length is available. All conveyors are custom made to fit your needs.
Belt	Heavy-duty industrial belt with mechanical fastener.
Drive	Many drive options available, contact your representative for more information.
Bearings	Pillow block bearings at all terminal shafts.
Seals	Positive sealed covers and flanges. Felt seals and UHMW guides on tail section.
Frame	Totally enclosed formed and welded carbon steel frame.
Doors	Inspection doors allow access to idlers for service, inspection and replacement.
Belt Splice	Non-sparking mechanical belt splice with splice protector.
Idlers	Equal length offset carrying idlers standard.
Pulleys	Heavy-duty crown faced lagged head pulley and winged tail pulley are standard.
Split Head	Easy access to head pulley for inspection and maintenance.
Top Covers	Bolted, weather-tight top covers. Removable tail cowlings for service access.
Bottom Covers	Carbon steel bottom covers with low friction lining available.
Take-up	Heavy duty acme threaded take-up with non-corrosive adjustment nuts.
Inlet	Angle flanged inlet opening complete with rubber skirting. Inlet directs product flow onto belt to maintain capacity and reduce spillage.
Discharge	Specially designed discharge reduces product damage and wear.

All specifications subject to change without notice.

**RAPAT**  
CORPORATION