



TELEBELT® TB 200 | MOBILE TELESCOPIC BELT CONVEYOR

TB 200



A NEW STANDARD OF INNOVATION AND EXCELLENCE

TELEBELT TB 200 HIGHLIGHTS

The Telebelt® TB 200 is a technologically advanced, feature-rich telescopic belt conveyor offering superior boom and feeder control for precision placement. The TB 200 offers a rugged design to perform at its peak under the harshest of conditions.

Ideal for large aggregate and mass concrete placement, the TB 200 adapts for use in variety of applications, including concrete dams, hydro and nuclear power plants, harbors, airports and high-speed train construction.

Offering superior working range, maneuverability and shipping convenience, as well as lower counterweight requirements, more power options and fewer wear parts, the TB 200 earns its place on the job site.

The Telebelt TB 200 In Action at the Panama Canal

The first TB 200 arrived at the Panama Canal Third Set of Locks project in fall 2012. This unit has been working at the Third Set of Locks, a massive expansion project in which a hard-wearing concrete mix is being placed 24 hours a day. With a reach of 200 feet, belt width of 24 inches and high placing capacity, it is being used to place all types of concrete, reaching into hard to reach lifts that are very often between form work and reinforcing steel required by the very complex structures being built at the Panama Canal.



TELEBELT ADVANTAGE



PLACEMENT VERSATILITY



SAVES TIME AND LABOR



JOBSITE CONVENIENCE

Whether your challenge is a congested construction site, muddy ground or the need to convey from outdoors to an inside point of placement, Telebelts are up for the job. Telebelt versatility helps you avoid the extra cost of specialized equipment like front discharge or all-wheel drive ready-mix trucks.

Telebelts can perform multiple tasks from a single location. Quick setup and tear down as well as the ability to place material at high volumes enable you to complete more jobs with less manpower. Tedious tasks once requiring multiple trips with other equipment are eliminated.

Setup and redeployment is fast and easy with fully proportional radio remote controls for the boom and feeder. The feed conveyor is easily fed on three sides by a surge hopper, ready mix truck or dump truck. Telebelts do not require priming, and all material can be run off the belts, eliminating waste.



PUTZMEISTER | HANDLING CONCRETE AND VARIOUS MATERIALS

TELEBELT TB 200 MEETS YOUR DEMANDING MATERIAL PLACEMENT NEEDS

The easy-to-operate Putzmeister Telebelt TB 200 is designed for fast, efficient, accurate placement of concrete without concrete segregation. Able to place different types of materials, even in tight quarters, this single piece of equipment can be easily moved around the job site to allow you to handle multiple tasks and countless applications in various setups. The four-section, steel frame main conveyor and feeder conveyor are both hydraulically run, so full control of all actions is available for the operator to adjust output to best fit the requirements of the particular pour. It takes no more than 10 to 15 minutes to set the TB 200 from traveling to operation mode. Able to slew 360 degrees, the feeder conveyor can be positioned to suit any tight job site layout requirements. The machine saves time and labor with quick setup, high material volumes and precise material placement. No additives are needed and no priming or special clean-up is required. One operator can control the entire unit with simple radio remote control system.

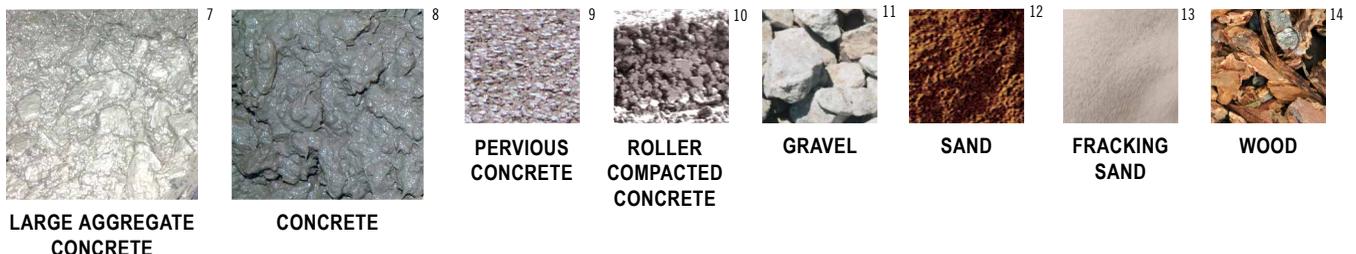
The TB 200 efficiently and economically conveys high volumes of a multitude of concrete mixes, as well as sand, gravel, backfill and up to 6-inch aggregate.

Conveying allows for reduced cement and water content which yields a stronger and more cost effective mix. Corps of Engineers and Federal and State DOT testing proves that Telebelts do not segregate concrete, cause air entrainment or slump loss.

Need to place large aggregate quickly? The TB 200 is the Telebelt for the job. Have large volumes of a single material to convey in a short amount of time? The TB 200 greatly reduces placing time. It is the ideal machine to handle heavy-duty mass concrete placement needs over long duration placement periods. When using the Putzmeister Heavy Duty Jumbo Trough or Surgecrete, the contractor assures maximum optimization of placing and hauling capacity which greatly improves the operating costs. The TB 200 will be up to virtually any job challenge.

From commercial and industrial to civil and environmental, the placing possibilities with a TB 200 are limitless. The TB 200 is ideal for a variety of jobs including hydroelectric dams, power plants and high speed rail construction. These are just a few applications where a Telebelt is an invaluable asset.

CONVEYING VERSATILITY – HANDLES CONCRETE AND A WIDE RANGE OF DRY MIX MATERIALS



7
LARGE AGGREGATE CONCRETE

8
CONCRETE

9
PERVIOUS CONCRETE

10
ROLLER COMPACTED CONCRETE

11
GRAVEL

12
SAND

13
FRACKING SAND

14
WOOD

BOOM

- 200' 0" (61.00m) horizontal reach
- Four-section telescopic boom
- High strength tubular steel construction for all sections
- Two control levers to extend/retract all main and feeder boom sections and counterweight
- Maintenance-free sealed roller bearings
- Quick telescoping operation
- 360° hydraulic rotation

BOOM OPERATION AND CONTROL

- Main conveyor functions controlled by Modular Boom Control (MBC) system
- Single-section maintenance without removing entire valve assembly
- Ergonomic and lightweight standard proportional radio remote control
- Independent belt speed control for main and feed conveyors
- Proportional remote control with 100' 0" (30m) cable
- Manual control backup for all functions

MAIN CONVEYOR

- 24" (610mm) 3-ply nylon cord vulcanized belt
- Observed capacity of 5 yds³ per minute (4.00m³/min)
- Infinitely variable belt speed control
- Spring-tensioned carbide scraper system
- Active independent control of the main conveyor system

FEEDER BELT

- 72' 6" (22.10m) steel hydraulic feed conveyor
- 24" (610mm) 3-ply nylon cord vulcanized belt
- 360° hydraulic rotation allows material to be loaded from any position
- Fed by a surge hopper. Other options include ready mix truck, dump truck, skid-steer loader or front-end loader.
- UHMW folding hopper handles the toughest mixes
- Spring-tensioned carbide scraper system
- Proportional hydraulic raise/lower and slew control
- Active independent control of the feed conveyor system

TRUNK/END HOSE

- 12" (305mm) reducer and end hose for precision placing
- 16" (406mm) reducer and end hose for large aggregate, high volume
- 15' (4.57m) standard end hose length

MATERIAL HANDLING

- Handles the harshest mass concrete mix designs at any slump
- Ideal for aggregates up to 6" (152mm)
- No special mix requirements
- Places any type of flowable material

OUTRIGGERS

- Outriggers hydraulically extend out and down
- Quick and easy setup in 10 to 15 minutes
- Sets up on solid or rough terrain
- Self-leveling chassis

POWER

- Powered by Deutz TCD2015V6 450 hp (330kW) diesel engine
- Direct drive hydraulic pumps
- Fuel tank 265 gallons (1,000L)

COUNTERWEIGHT

- Structural steel component
- Proportional movement
- Shaped design for increased clearance

CLEAN UP

- Simple water clean up
- High pressure 2,500 psi (173 bar) hydraulically-driven pressure washer system
- Large capacity 105 gallon (400L) water tank

ADDITIONAL STANDARD FEATURES

- 2 mph (3kph) job site travel speed
- 50 mph (80kph) road travel speed
- Transfer chute
- Two service platforms
- High quality paint finish
- Operators manuals and ship-away kit





HIGH STRENGTH BOOM 15

Four-section boom retracts to 74' 9" (22.80m), providing an expansive working range. Infinitely variable belt speed control through radio remote offers smooth and controlled movement. The advanced boom design with modern lattice structure made of extruded steel tubes is extremely strong, yet lightweight.



STEEL COUNTERWEIGHT 16

The TB 200's steel counterweight is a structural component of the unit. The counterweight moves proportionally in and out as the boom extends and retracts, ensuring that the right amount of weight is in the right position to offset the load of the boom. Its lighter counterweight requirement decreases the weight on each axle, providing greater efficiency.



STEERING VERSATILITY 17

Steering of the TB 200 has been engineered to provide a tight turning radius for necessary job site maneuverability. It features all-wheel steer, eight wheel drive, and a self-leveling chassis. Steering modes are: on-road, all-wheel, crab steer, reduced shear, and independent rear axle mode.



SUPERIOR BRAKING 18

Recognizing the importance of being able to safely stop heavy machinery, especially in rough conditions, the TB 200's superior braking system offers four types of braking: parking, service, engine, and transmission. Testing demonstrates that the TB 200 can effortlessly handle grades, as well as stop and re-start on them.



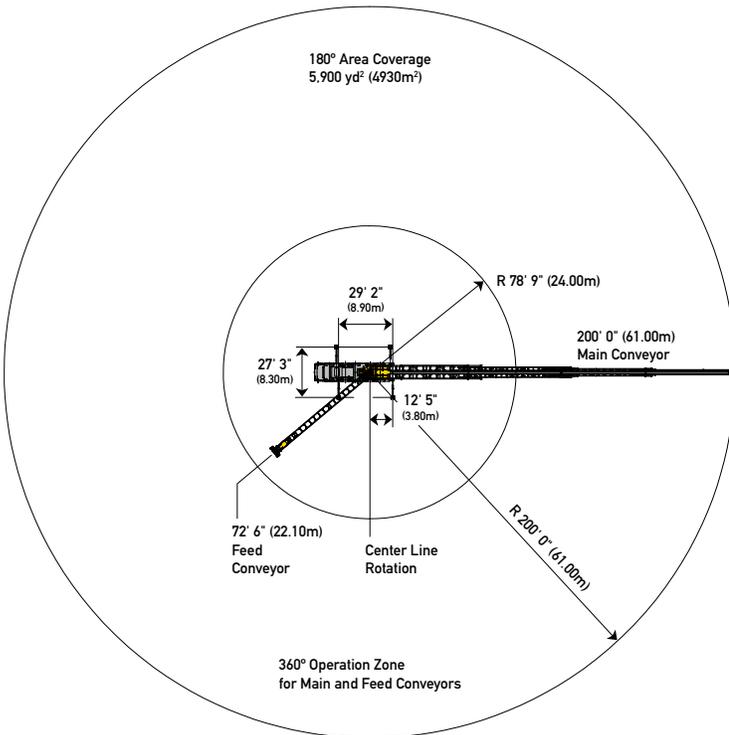
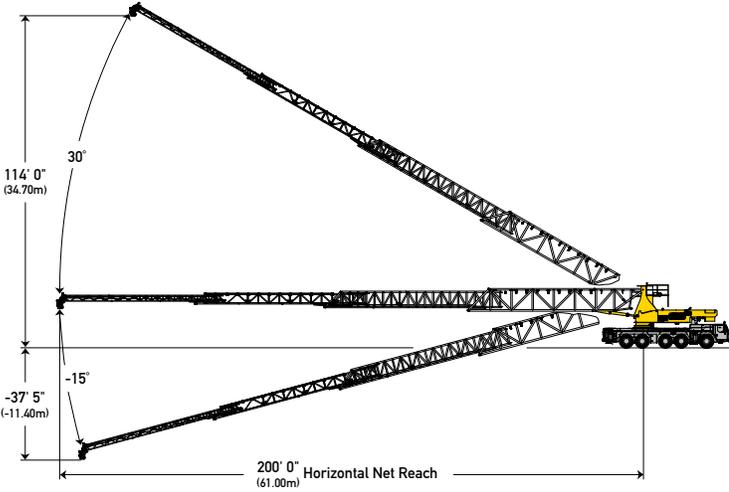
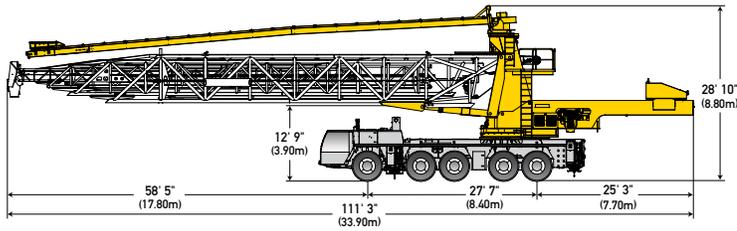
SAFETY INTERLOCKS 19

Safety is engineered into the TB 200, with multiple safety interlocks that prevent improper operation, including driving the unit with the boom not properly stowed, running the Telebelt when outriggers are not fully deployed, and operating the Telebelt with an incorrect counterweight position.



SHIPPING CONVENIENCE 20

Able to be shipped globally for any project, the TB 200 is transported in the following four main components: the chassis – which can be self driven and shipped RO/RO, the boom and feeder package – which is shipped break bulk, and two ocean containers – one for the counterweight and one for the work platforms, feeder slewing gear and ancillary items.



Photos and drawings are for illustrative purposes only.

Authorized Distributor



TELEBELT TB 200 SPECIFICATIONS

Conveyors

Conveyor horizontal reach		
Maximum at 0°	200' 0"	(61.00m)
Maximum at 30°	174' 7"	(53.20m)
Conveyor belt width	24"	(610mm)
Feed conveyor length	72' 6"	(22.10m)
Feed conveyor belt width	24"	(610mm)
Trunk/end hose length	15' 0"	(4.57m)
Discharge height from grade		
Maximum at 30°	114' 0"	(34.70m)
Maximum at -15°	-37' 5"	(-11.40m)
Main & feed conveyors		
Observed capacity at 0°	5.00 yd ³ /min	(4.00m ³ /min)
Observed capacity at 20°	3.00 yd ³ /min	(2.00m ³ /min)

Outriggers

Outrigger spread L - R — front and rear	27' 3"	(8.30m)
hydraulic extended out/down		
Outrigger spread front to rear	29' 2"	(8.90m)

Engine Specifications

Manufacturer's Model	Deutz TCD2015V6	
Horsepower	450 hp	(330kW)
Fuel tank capacity	265 gal	(1,000L)

General Specifications

Feed conveyor operating zone	360°	
Main conveyor operating zone	360°	
Water tank capacity	105 gal	(400L)
Hydraulic oil tank capacity	105 gal	(400L)
with cooler		

WEIGHTS•+

Total weight	237,220 lbs	(107,600kg)
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Component Shipping Weights

Chassis	102,735 lbs	(46,600kg)
Boom and feeder	61,730 lbs	(28,000kg)
Shipping container #1	62,611 lbs	(28,400kg)
Counterweight		
Shipping container #2	42,000 lbs	(19,000kg)
Work platform, hand rails, feeder slewing gear		

Maximum theoretical values listed.

Right to make technical amendments reserved.

• Weights are approximate.

+ All specifications apply to units mounted on Leibherr LTM 1220-5 2.



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