

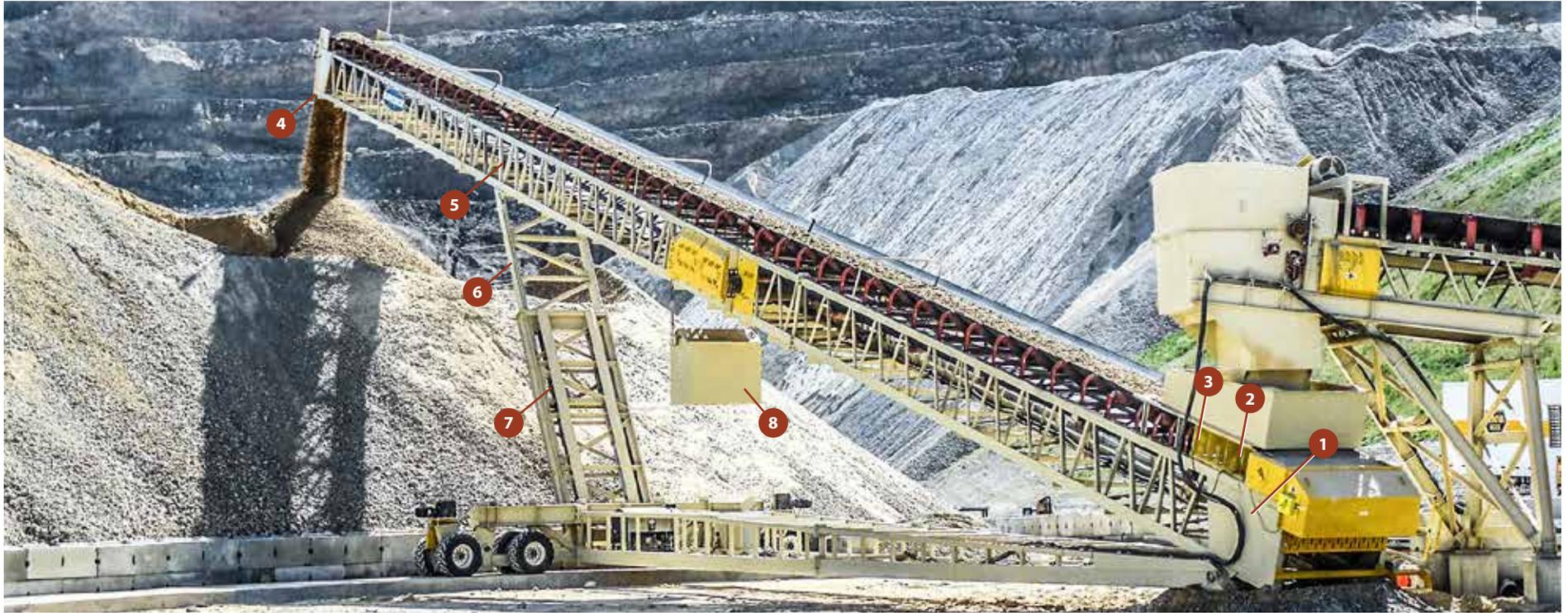


RADIAL STACKING CONVEYOR

125' / 150' / 180' / 200'

- Added bracing and support of patented FB® Undercarriage ensures unrivaled **safety and support**. ■
- Designed to convey material at high capacities up to and **exceeding 8,000 TPH**. ■
- Pit portable option allows **radial tires to swivel** for transportation around quarry or mine. ■
- In-house engineers **calculate and design** truss to specific application needs. ■

HIGHLIGHTS



1/ **CHEVRON® PULLEY:** Patented v-shaped pulley deflects fugitive material to extend pulley life and lessen belt wear. In addition, constant belt contact reduces vibration and noise generation by 50 decibels.

2/ **SEALING SYSTEM:** Prevents material spillage in load zone by maintaining a tight seal between belt and hopper skirting.

3/ **METAL GUARDING:** Safeguards are essential to protect workers from injury. Superior's guarding is identified easily with safety yellow paint.

4/ **EXTERRA® BELT CLEANERS:** Patented Superior brand scraper blades designed with thicker edge for extra material at crucial point of attack.

5/ **NAVIGATOR® RETURN TRAINER:** Patented return roller constantly guides and centers belt to prevent misalignment, common to conveyors that constantly move.

6/ **FB® UNDERCARRIAGE:** Patented for maximum undercarriage support and the most rigid lateral stability. Load sharing hydraulic cylinders add even greater structural support and safety.

7/ **RAISE CYLINDERS:** Used to raise and lower stacker and are specially designed for safety. Counterbalance valve keeps the raise cylinders from lowering if there is a hydraulic failure.

8/ **WEIGHTED TAKE-UP:** Snub drive pulley with weight take-up helps eliminate belt slippage on high capacity applications.

9/ **SONICSCOUT™ MATERIAL SENSOR:** If no material is present, sensor sends signal to automation program sounding an alarm and disabling conveyor until action is taken. (Not Shown)

Ideal for moving material in high capacity applications.

FEATURES AND OPTIONS

PATENTED FB® UNDERCARRIAGE

- Fully braced inner structure glides within a fully braced outer structure to ensure stability, safety and support.
- Cylinders are covered to protect from material spillage.

PIT PORTABLE AXLE ASSEMBLY

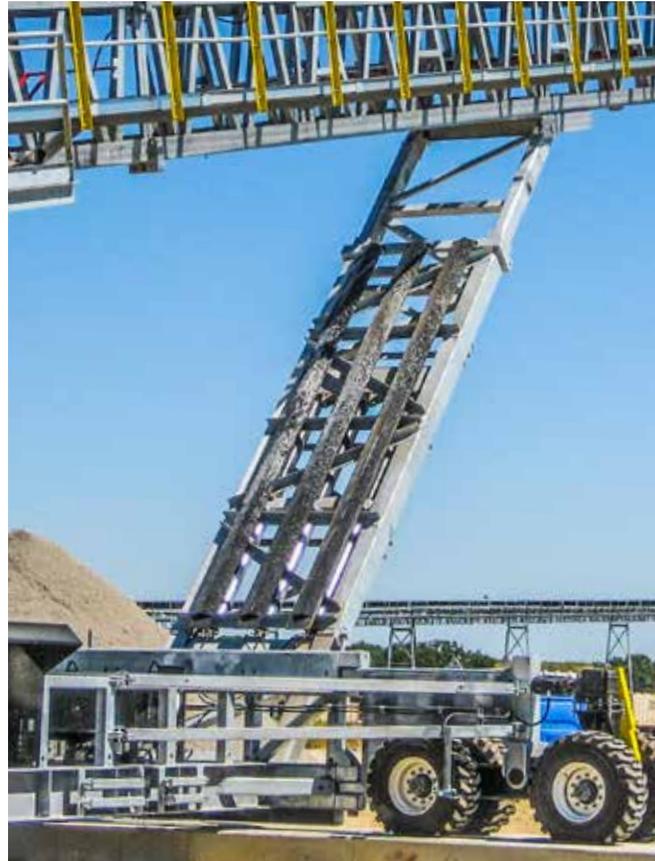
- For in-pit mobility, FD Axle can be raised or swing axle can be rotated parallel to conveyor so stacker can be towed.

FIXED AXLE ASSEMBLY

- Specifically designed so pivot point is anchored and tires follow the radial travel arc, effectively eliminating tire scuffing.

OPTIONS

- EXTERRA® PRIMARY BELT CLEANER
- NAVIGATOR® RETURN TRAINER
- URATHON® RETURN ROLLS
- CROSSOVER PLATFORMS
- ZERO SPEED SENSOR
- POWER TRAVEL
- RADIAL HOPPER
- TANK HEATER
- BELT SCALE
- WEIGHTED TAKE-UP
- WALKWAY
- LIGHTING PACKAGE
- DISCHARGE HOOD
- HYDRAULIC RAISE
- GALVANIZED
- V-PLOW
- E-STOP



PATENTED FB® UNDERCARRIAGE



WALKWAY



WEIGHTED TAKE-UP



CROSSOVER PLATFORM



DISCHARGE HOOD

SPECIFICATIONS

GENERAL SPECS

Tons Per Hour (TPH): Up to 8,000

Belt Widths (inches): Up to 96

Incline Angle: 18°

MAXIMUM STOCKPILE CAPACITIES (MANUAL PILES) ASSUMPTIONS BASED ON MATERIAL WHICH HAS A 37° ANGLE OF REPOSE AND 100 PCF (1.6 t/m³) MATERIAL DENSITY.

| Conveyor Length | Stockpile Height ft x in (m) | Stockpile Volume in Cubic Yards (m ³) | | | | Stockpile Volume in Tons (MT) | | | |
|-----------------|------------------------------|---|-----------------|-------------------|-------------------|-------------------------------|------------------|-------------------|-------------------|
| | | Conical | 90° | 180° | 270° | Conical | 90° | 180° | 270° |
| 125' | 42'-0" (12.8) | 4,900 (3,700) | 20,800 (15,900) | 36,700 (28,100) | 52,600 (40,200) | 6,700 (6,100) | 28,100 (25,500) | 49,600 (45,000) | 71,100 (64,500) |
| 150' | 49'-0" (14.9) | 8,200 (6,300) | 35,000 (26,800) | 61,900 (47,300) | 88,700 (67,800) | 11,100 (10,100) | 47,300 (42,900) | 83,500 (75,700) | 119,700 (108,600) |
| 180' | 59'-0" (18.0) | 13,000 (10,600) | 59,200 (45,300) | 104,600 (80,000) | 150,000 (114,700) | 18,600 (16,900) | 80,000 (72,600) | 141,200 (128,100) | 202,500 (183,700) |
| 200' | 65'-0" (19.8) | 18,600 (14,200) | 80,300 (61,400) | 141,900 (108,800) | 203,600 (155,700) | 25,100 (22,800) | 108,300 (98,200) | 191,600 (173,800) | 274,900 (249,400) |

PHOTO GALLERY

