

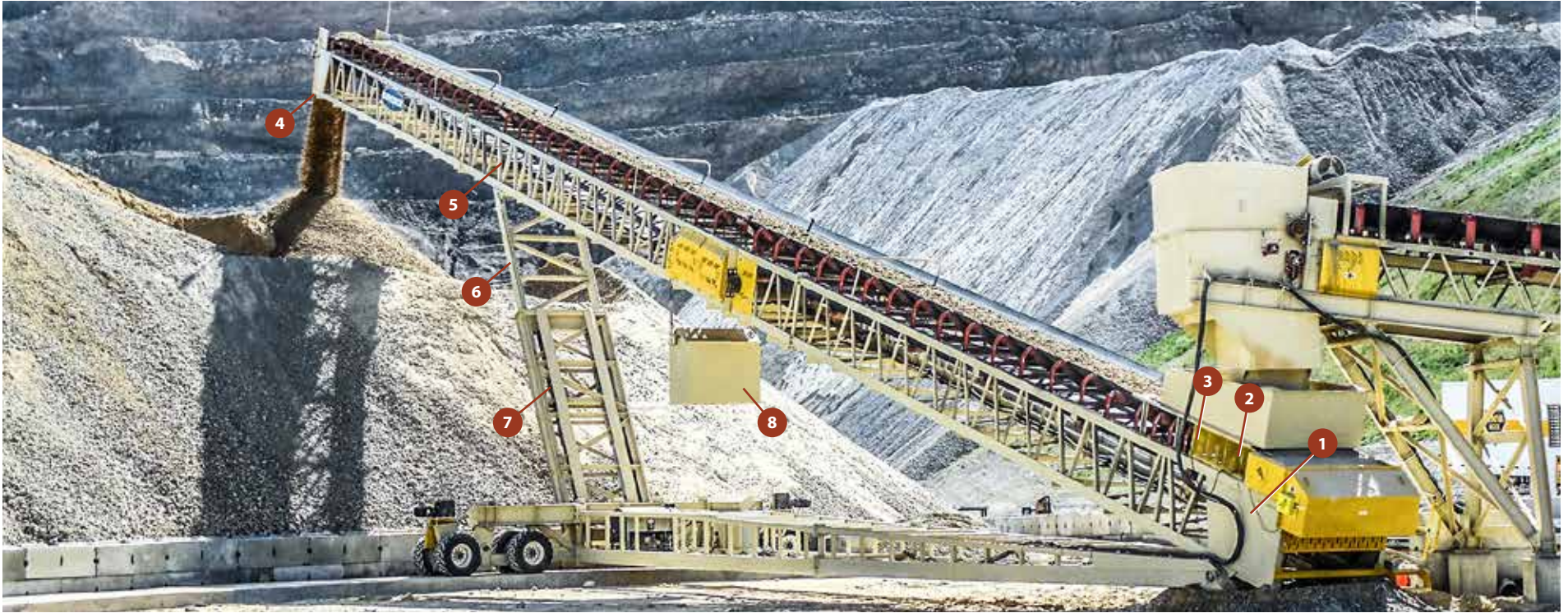


# RADIAL STACKING CONVEYOR

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

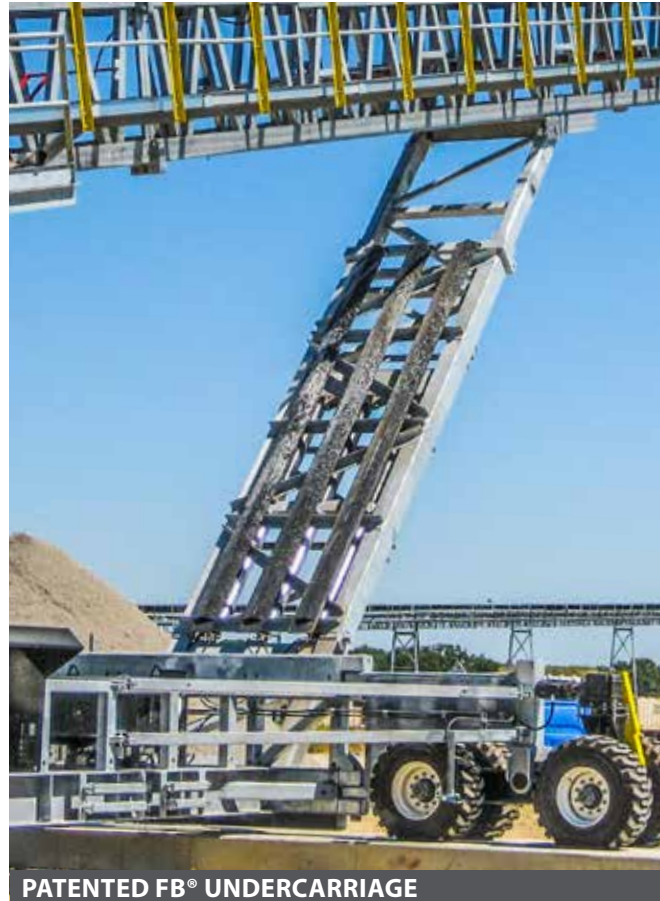
- For in-pit mobility, FD Axle can be raised or swing axle can be rotated parallel to conveyor so stacker can be towed.

## 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 (m³)				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

