



RADIAL STACKING CONVEYORS

Hundreds of Configurations, Which is Right for You?



CUSTOM LENGTHS UP TO 200' (60M)

FEATURES

- » Four dozen pre-engineered base models for faster lead times
- » Dozens of options to configure stacker to your application
- » Willingness to explore, invent and test brand new options
- » Leading innovator of portability for swift transitions from road to work

BASE MODEL SPECIFICATIONS

Conveyor Length		Belt Width		Truss Depth		Capacity*		Belt Speed	
ft	m	inch	mm	inch	mm	STPH	MTPH	FPM	MPM
40'	12.2	24"	610	24"	610	300	275	350	105
		30"	762	24"	610	500	450	350	105
		36"	914	24"	610	750	680	400	120
		42"	1,067	24"	610	1,200	1,100	400	120
50'	15.2	24"	610	24"	610	300	275	350	105
		30"	762	24"	610	500	450	350	105
		36"	914	24"	610	750	680	400	120
		42"	1,067	24"	610	1,200	1,100	400	120
60'	18.3	24"	610	24"	610	300	275	350	105
		30"	762	24"	610	500	450	350	105
		36"	914	24"	610	750	680	400	120
		42"	1,067	24"	610	1,200	1,100	400	120
70'	21.3	24"	610	24"	610	300	275	350	105
		30"	762	24"	610	500	450	350	105
		36"	914	24"	610	750	680	400	120
		42"	1,067	30"	762	1,200	1,100	400	120
80'	24.4	24"	610	30"	762	300	275	350	105
		30"	762	30"	762	500	450	350	105
		36"	914	30"	762	750	680	400	120
		42"	1,067	30"	762	1,200	1,100	400	120
90'	27.4	24"	610	30"	762	300	275	350	105
		30"	762	30"	762	500	450	350	105
		36"	914	30"	762	750	680	400	120
		42"	1,067	36"	914	1,200	1,100	400	120
95'	29.0	24"	610	30"	762	300	275	350	105
		30"	762	30"	762	500	450	400	120
		36"	914	30"	762	750	680	400	120
		42"	1,067	36"	914	1,200	1,100	400	120
100'	30.5	24"	610	30"	762	300	275	350	105
		30"	762	30"	762	500	450	400	120
		36"	914	30"	762	750	680	400	120
		42"	1,067	36"	914	1,200	1,100	400	120
110'	33.5	24"	610	36"	914	300	275	350	105
		30"	762	36"	914	500	450	400	120
		36"	914	36"	914	750	680	400	120
		42"	1,067	36"	914	1,200	1,100	400	120
125'	38.1	24"	610	36"	914	300	275	350	105
		30"	762	36"	914	500	450	350	105
		36"	914	36"	914	750	680	400	120
		42"	1,067	36"	914	1,200	1,100	350	105
150'	45.7	24"	610	36"	914	300	275	350	105
		30"	762	42"	1,067	500	450	350	105
		36"	914	42"	1,067	750	680	400	120
		42"	1,067	42"	1,067	1,200	1,100	400	120

All base models include:

- » Belt widths of 24", 30", 36" and 42" (610, 762, 914 and 1,067mm).
- » Production capacities of 300 - 1,200 STPH (375 - 1,100 MTPH) subject to material density and size.

*Capacity subject to change based material density and lump size.

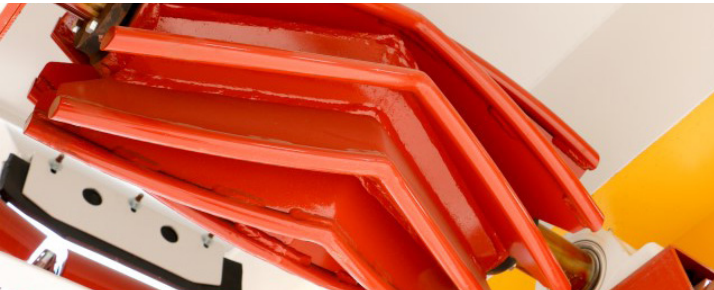
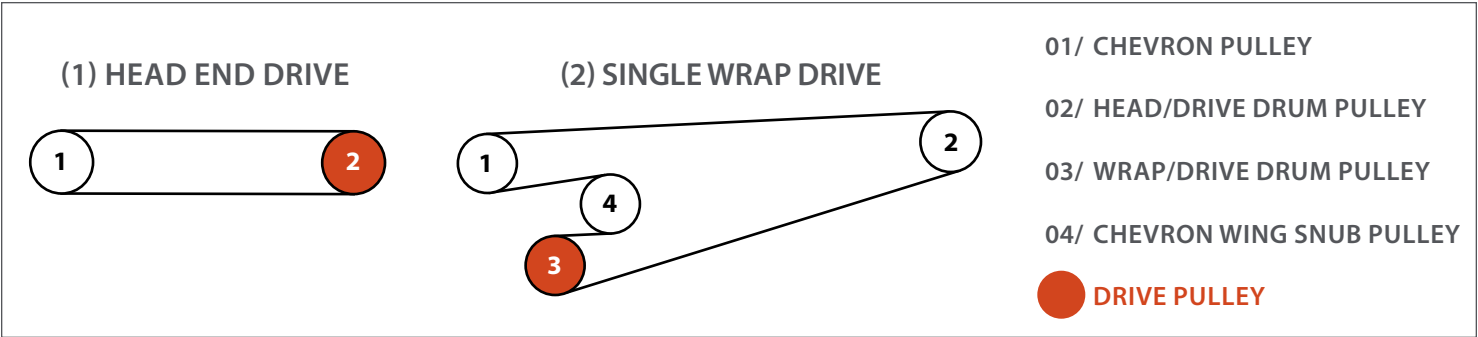
BASE MODEL SPECIFICATIONS

DRIVE CONFIGURATION

Head end drives include a lagged CEMA drum pulley. Single wrap drives include a lagged CEMA drum pulley and CEMA Chevron® snub pulley at the tail. Upgrades to mine or super duty pulleys are available.

Belt Width		40'	50'	60'	70'	80'	90'	95'	100'	110'	125'	150'
Class I, Head End (1)	24"	■	■	■	■	■	■	■	■	■	■	□
	30"	■	■	■	■	■	■	■	■	■	□	□
	36"	■	■	■	■	■	■	■	■	□	□	□
	42"	■	■	■	□	□	□	□	□	□	□	□
Class I, Single Wrap (2)	24"	□	□	□	□	□	□	□	□	□	□	■
	30"	□	□	□	□	□	□	□	□	□	■	■
	36"	□	□	□	□	□	□	□	□	■	■	■
	42"	□	□	□	■	■	■	■	■	■	■	■

■ Standard □ Available Upon Request



CHEVRON PULLEY

V-shaped wings reject fugitive material at tail, which extends life of belts.



DRUM PULLEY

Superior designed and built for head section. Upgrade lagging or model.

BELT TAKE-UP



MECHANICAL SCREW

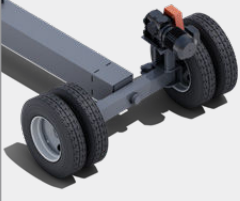
Designed and built with ACME rods and powder coat frame.



GRAVITY

Automatically adjust for belt stretch on longer conveyors.

CONVEYOR CONFIGURATION GUIDE

AXLE CONFIGURATIONS					
					
Conveyor Length	Belt Width(s)	Fixed Width Portable	Telescoping Tube	Fixed Width Pit Portable	FD Axle
		Lift tire(s) from ground, pull pin and manually swivel tire to inline road or radial travel position	Telescoping tube retracts for legal road width or extends to create stability for longer stackers. Utilizes same swivel function as fixed width portable axle	More robust single beam axle designed for units that don't require road portability. Utilizes same swivel function to rotate tires for transport within the quarry or mine	Radial travel tires hydraulically shift into position for fastest transition time from inline road to radial travel modes. For producers traveling frequently from site to site
40'	24", 30", 36", 42"	Standard	Available Upon Request	Available Upon Request	Available Upon Request
50'	24", 30", 36", 42"	Standard	Available Upon Request	Available Upon Request	Available Upon Request
60'	24", 30", 36"	Standard	Available Upon Request	Available Upon Request	Available Upon Request
60'	42"	Available Upon Request	Standard	Available Upon Request	Available Upon Request
70'	24", 30"	Standard	Available Upon Request	Available Upon Request	Available Upon Request
70'	36", 42"	Available Upon Request	Standard	Available Upon Request	Available Upon Request
80'	24", 30", 36", 42"	Available Upon Request	Standard	Available Upon Request	FD15
90'	24", 30", 36", 42"	Available Upon Request	Standard	Available Upon Request	FD15
95'	24", 30", 36", 42"	Available Upon Request	Standard	Available Upon Request	FD15
100'	24", 30", 36"	Available Upon Request	Standard	Available Upon Request	FD20
100'	42"	Available Upon Request	Option	Standard	FD20
110'	24", 30", 36", 42"	Available Upon Request	Option	Standard	FD20
125'	24", 30", 36", 42"	Available Upon Request	Option	Standard	FD40
150'	24", 30", 36", 42"	Available Upon Request	Option	Standard	FD40

Standard

Option

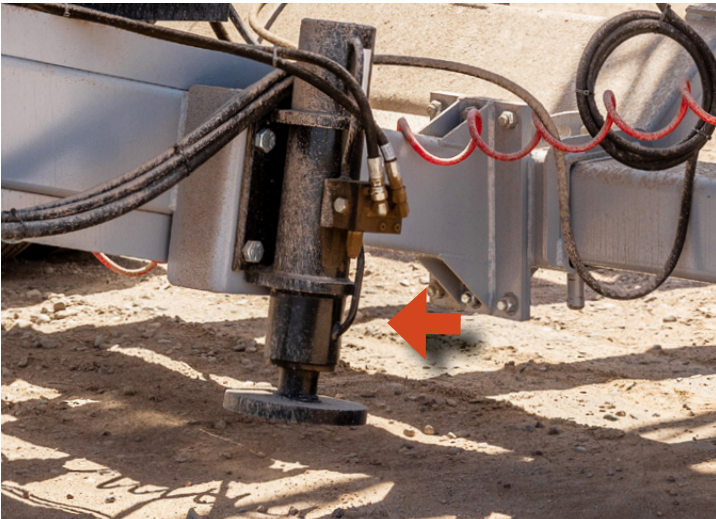
Available Upon Request

LANDING GEAR



LANDING GEAR

Manual pin adjustment, manual crank or hydraulic raise and lower.



AXLE JACKS

Hydraulically raise axle to relieve wheel pressure and swivel into radial position.

CONVEYOR CONFIGURATION GUIDE

BELT SPLICES

A manual top fold requires extra equipment and time while a hydraulic fold operation is a press of a button on the control panel.

	40'	50'	60'	70'	80'	90'	95'	100'	110'	125'	150'
Bolt Together Splice	☐	☐	☐	☐	☒	☒	☒	☒	☒	☒	☒
Manual Top Fold (1)	☐	☐	☐	☐	☒	☒	☒	☒	☒	☒	☒
Hydraulic Top Power Fold (2)	☐	☐	☐	☐	☒	☒	☒	☒	☒	☒	☒

☒ Standard ☒ Option ☐ Available Upon Request



MANUAL TOP FOLD



HYDRAULIC POWER FOLD

Patented inverted hydraulic cylinder protects the rods from dust and debris.

CONVEYOR RAISE



MANUAL PIN (BASE CONFIGURATION)

Manual raise and lowering requires additional equipment and time.



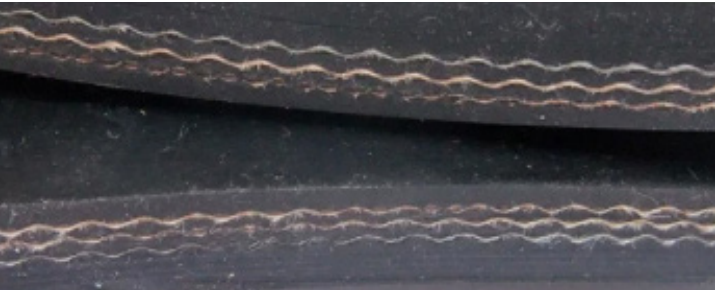
HYDRAULIC OPERATION

Hydraulic operation is a push of a button on the control panel.

CONVEYOR CONFIGURATION GUIDE

CONVEYOR BELT

There are many belting upgrades available beyond the most popular shown below.



3-PLY 330# 3/16" x 1/16"

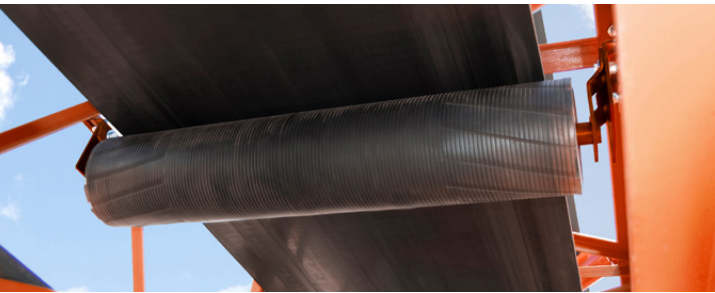
Tough polyester/nylon carcass and abrasion resistance.



CHEVRON CLEATS

Popular for incline applications in aggregate and recycling.

BELT TRACKING



NAVIGATOR® RETURN TRAINER

Provides continuous belt alignment with no damaging side contact.



TROUGHING SELF-ALIGNING IDLERS

Misaligned belts contact side roller, idler pivots and centers belt.

EXTERRA® BELT SCRAPERS



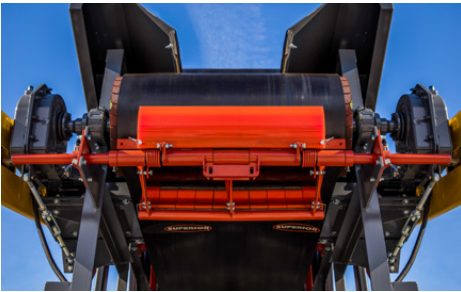
PRIMARY CLEANER

Standard primary blade has up to 40% more urethane than competitors.



SECONDARY CLEANER

Segmented chunks with tungsten carbide tips for long life.



SFL DUAL CLEANER

Primary and secondary blade on one pole. Maintains proper tension for life of blade.

CONVEYOR CONFIGURATION GUIDE

RECEIVING HOPPERS



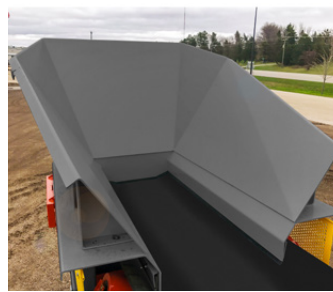
GATHERING TROUGH (BASE)

Small target with skirting between belting and load zone.



ROCK BOX

Ledges catch material (rock on rock) and provide larger target for conveyor feed.



RADIAL RECEIVING

Sloped sides (rock on steel) provide larger target for conveyors to feed into load zone.



MODULAR FEED

Much larger sloped sides with wing extensions to allow feed from a bucket or clam.

LOAD ZONE



SEALING SYSTEM

Maintains tight seal between belting and skirting to eliminate spillage.



IMPACT BED

Energy absorbing bars protect belt from falling material. For high-capacity applications.



IMPACT IDLERS

Act as a cushion to prevent belt damage from falling material.



IMPACT CRADLE

Energy absorbing urethane segments protect belt from falling material.

IDLERS



MOXIE® ROLLS

HDPE sheds sticky material to prevent buildup on rolls for better belt tracking.



URATHON® RETURN ROLLS

Urethane sheds sticky material to prevent buildup on rolls for better belt tracking.



APPLICATION-SPECIFIC IDLER SEALS

Application-specific idler seals for better bearing protection in wet or dusty conditions.

CONVEYOR CONFIGURATION GUIDE

FRAME FINISHING



GALVANIZED FINISH

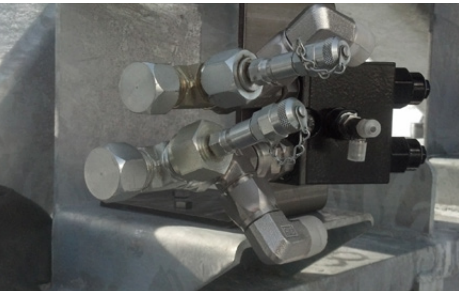
Hot dipped zinc coating protects steel from air contamination and rust.



CLASS 2 OR 3 PAINT

Epoxy coating protects steel from air contamination and rust. High performance finish extends life of steel in destructive conditions.

ENVIRONMENTAL



STAINLESS COMPONENTS

Upgrade to corrosion resistant idler frames, shafting, fitting and hardware.



PRESSURIZED PANELS

Prevents any hazardous gas or dust from entering the enclosure.



BELT COVERS

Protect conveyed materials from conditions and avoid dispersion of powders.

SELF-CONTAINED POWER

- » Useful in remote areas without electricity
- » Follow production of your track plant
- » Diesel engine mounted to undercarriage
- » Standard engine models or customizable

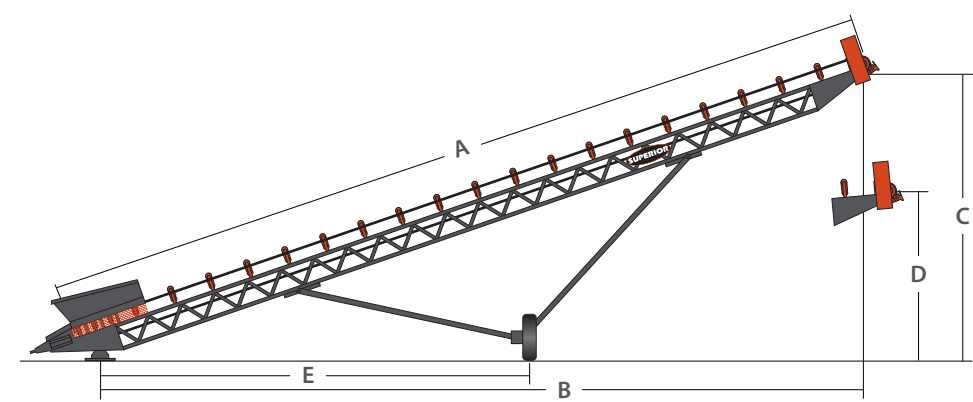


SLIDE-STAC™ CONVEYORS

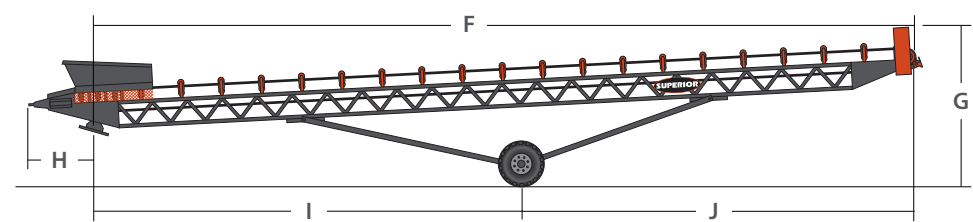
- » Three radial stackers in one towable load
- » 60 or 70 foot (18 or 20m) long conveyors
- » Safely rolls conveyors from stacked load
- » Safer than picking or lifting off load



SPECIFICATION



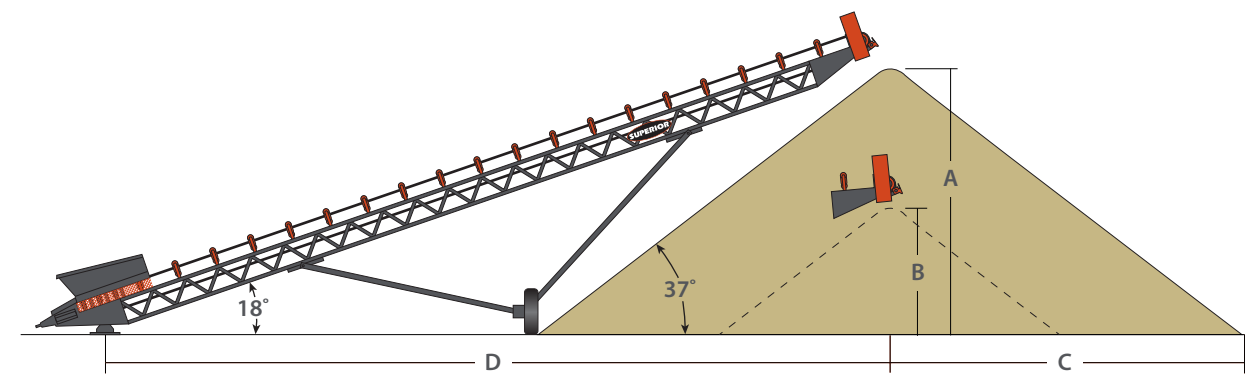
	50'		60'		70'		80'		95'		100'		110'		125'		150'	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
OPERATING SPECIFICATIONS																		
(A) Conveyor Length	50'-0"	15.2	60'-0"	18.2	70'-0"	21.3	80'-0"	24.4	95'-0"	29.0	100'-0"	30.4	110'-0"	33.5	125'-0"	38.1	150'-0"	45.7
(B) Conveyor Ground Length	45'-9"	14.0	55'-2"	16.8	64'-9"	19.7	74'-0"	22.5	88'-7"	27.0	93'-0"	28.5	102'-0"	31.1	116'-2"	35.4	139'-9"	42.6
(C) Raised Height to Center of Pulley	17'-11"	5.5	21'-4"	6.5	24'-0"	7.3	28'-1"	8.3	31'-7"	9.6	33'-11"	10.3	36'-0"	11.0	40'-11"	12.2	49'-6"	15.1
(D) Lowered Height to Center of Pulley	12'-5"	3.8	13'-0"	3.9	14'-1"	4.3	14'-1"	4.2	14'-4"	4.3	13'-6"	4.1	17'-0"	5.2	19'-5"	5.9	17'-11"	5.5
(E) Anchor Pivot to Center of Axle	25'-5"	7.8	31'-2"	9.5	35'-9"	10.9	40'-11"	12.4	48'-4"	14.6	51'-5"	15.6	56'-7"	16.9	60'-2"	18.4	77'-3"	23.6



	50'		60'		70'		80'		95'		100'		110'		125'		150'	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
TRAVEL SPECIFICATIONS																		
(F) Travel Length - Kingpin to Rear	49'-5"	15.1	59'-5"	18.1	74'-7"	22.6	63'-7"	19.4	73'-8"	22.3	78'-8"	24.0	60'-10"	18.6	70'-9"	21.6	80'-7"	24.6
(G) Travel Height	11'-8"	3.6	11'-0"	3.3	12'-1"	3.7	12'-3"	3.7	14'-1"	4.2	13'-6"	4.2	14'-1"	4.3	14'-0"	4.3	13'-11"	4.2
Travel Width	11'-6"	3.5	12'-0"	3.6	11'-9"	3.6	11'-9"	3.5	11'-9"	3.5	12'-0"	3.6	12'-8"	3.9	11'-11"	3.6	11'-11"	3.6
(H) Kingpin to End of Tow Eye	5'-3"	1.6	5'-3"	1.6	5'-2"	1.6	5'-2"	1.6	5'-2"	1.6	5'-3"	1.6	5'-11"	1.8	6'-0"	1.8	5'-11"	1.8
(I) Kingpin to Axle	24'-8"	7.6	30'-10"	9.4	36'-2"	11.0	40'-9"	12.5	48'-5"	14.8	53'-8"	16.4	29'-2"	8.9	33'-6"	10.2	49'-6"	15.1
(J) Axle to Head Pulley	24'-9"	7.6	28'-7"	8.7	33'-4"	10.2	22'-10"	7.0	25'-3"	7.3	24'-11"	7.6	25'-8"	7.9	31'-3"	9.5	25'-3"	7.7
WEIGHTS																		
	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
Weight at Axle - 36" Belt Width	7,000	3,175	7,500	3,402	12,100	5,489	11,300	5,125	14,000	6,350	18,000	8,165	33,000	14,969	33,000	14,969	34,200	15,513
Weight at Kingpin - 36" Belt Width	625	283	925	420	1,100	499	3,000	1,361	2,500	1,134	2,000	907	3,500	1,588	3,500	1,588	10,200	4,627

NOTE: 80' (24.3m) and higher, have folds in structure for road travel.

STOCKPILE SPECIFICATION



	50'		60'		70'		80'		95'		100'		110'		125'		150'	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
STOCKPILE SPECIFICATIONS																		
(A) Stockpile Height	16'-5"	5.0	19'-6"	5.9	21'-10"	6.7	25'-10"	7.8	31'-0"	9.4	31'-7"	9.6	34'-11"	10.6	39'-9"	12.1	44'-4"	13.5
(B) Lowered Stockpile Height	11'-2"	3.4	11'-0"	3.4	12'-2"	3.7	13'-3"	4.1	13'-0"	4.0	16'-2"	4.9	17'-3"	5.3	17'-3"	5.3	13'-8"	4.2
(C) Radius of Pile	21'-0"	6.4	27'-0"	8.2	29'-0"	8.8	36'-6"	11.2	41'-4"	12.6	42'-9"	13.0	47'-0"	14.3	55'-4"	16.9	61'-10"	18.9
(D) Anchor Pivot to Center of Pile	47'-10"	14.6	57'-6"	17.6	67'-8"	20.6	76'-5"	23.3	90'-6"	27.6	95'-3"	29.1	104'-6"	31.9	119'-0"	36.2	143'-4"	43.7

Conveyor Length		Stockpile Height		Conical		90°		180°		270°	
ft		ft x in	m	tons	metric tons	tons	metric tons	tons	metric tons	tons	metric tons
MAXIMUM STOCKPILE CAPACITIES (MANUAL PILES)*											
50'		16'-5"	5.0	408	370	1,751	1,589	3,093	2,807	4,435	4,025
60'		19'-6"	5.9	684	620	2,971	2,696	5,259	4,772	7,546	6,848
70'		21'-10"	6.7	992	900	4,426	4,016	7,860	7,132	11,294	10,240
80'		25'-10"	7.8	1,589	1,442	6,901	6,262	12,213	11,083	17,525	15,903
95'		31'-0"	9.4	2,747	2,493	11,834	10,738	20,920	18,984	30,007	27,229
100'		31'-7"	9.6	2,904	2,635	12,854	11,664	22,803	20,692	32,753	29,721
110'		34'-11"	10.6	3,923	3,560	17,140	15,553	30,356	27,546	43,573	39,540
125'		39'-9"	12.1	5,791	5,255	25,318	22,974	44,844	40,694	64,371	58,413
150'		44'-4"	13.5	8,033	7,289	36,755	33,353	65,476	59,416	94,198	85,479
180'		57'-2"	17.4	17,221	15,627	75,523	68,533	133,826	121,439	192,129	174,346
200'		63'-10"	19.4	23,980	21,760	104,981	95,264	185,981	168,767	266,982	242,271

* Assumptions based on material which has a 37° angle of repose and 100 PCF (1.6 t/m³) material density.

PHOTO GALLERY



50' (15.2M)



80' (24.4M)



95' (29.0M)



100' (30.5M)



110' (33.5M)



125' (38.0M)



150' (45.7M)



200' (60.0M)