

# TELESTACKER® CONVEYOR

Defeat Material Segregation with the World's Best Selling Telescopic Conveyor



## AVOID PENALTIES WITH IN-SPEC STOCKPILES

- 01/ Radial travel blends material better than conical piles.
- 02/ Variable height keeps proper mix of coarse and fine materials.
- 03/ Adjustable discharge height eliminates material overrun.
- 04/ Windrow stockpiling blends fine, medium coarse materials.
- 05/ No need to blend material with loader during reclamation.
- 06/ Programmable automation effortlessly controls motion.

Rock Face to Load Out™

 Patented Technology







	110'	130'	136'	150'	158'	170'	190'	210'
500 TPH	36"	30"		30"		36"	36"	36"
800 TPH	36"	36"	36"	36"	36"	36"	36"	36"
1,000 TPH	36"	36"	36"	36"	36"	36"	36"	36"
1,200 TPH	42"	42"		42"	42"	42"	42"	42"
1,500 TPH	42"	42"		42"	42"	42"	42"	42"
1,800 TPH				48"		48"	48"	48"
2,400 TPH				48"		48"	48"	48"
3,200 TPH				54"			54"	
4,000 TPH				60"		60"	60"	
5,000 TPH							72"	



## FEATURES



### 01/ CHEVRON® PULLEY

Ejects fugitive material for longer lasting pulleys and belting.

### 02/ SEALING SYSTEM

Maintains tight seal between belt and skirting for spillage free load zone.

### 03/ EXTERRA® PRIMARY CLEANER

Eliminates unwanted fugitive material on belt.

### 04/ ULTRASONIC PILE SENSOR

Contact free sensor is not affected by dust or debris.

### 05/ NAVIGATOR® RETURN TRAINER

Constantly guides and centers belt.

### 06/ LOAD ROLLERS

Each roller equally shares weight of stinger conveyor.

### 07/ STINGER SAFETY STOP

Activates in event of cable failure to maintain position of stinger.

### 08/ SLIDETRACK SYSTEM

Cable support system designed with no catch points and easy maintenance.

### 09/ FB® UNDERCARRIAGE

Provides maximum undercarriage support for safety and lateral stability.

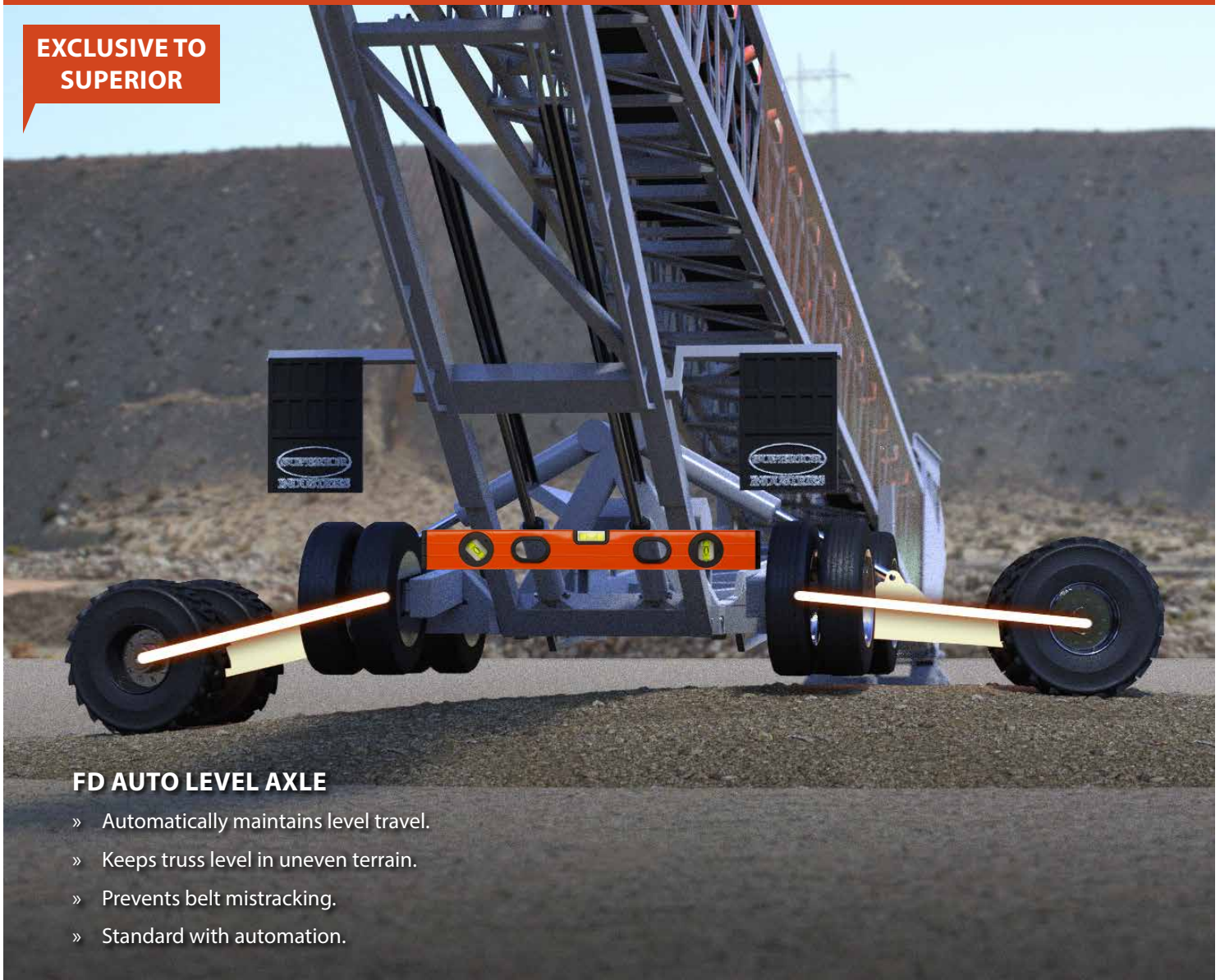
### 10/ PILEPRO™ AUTOMATION

Designed in-house with clean, easy to understand interface.

### 11/ ROCK BOX RADIAL HOPPER

Designed for rock-on-rock wear with internal ledge.

EXCLUSIVE TO  
SUPERIOR

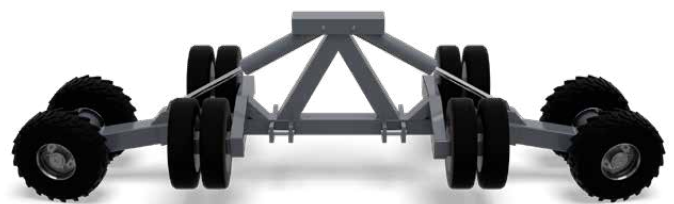


### FD AUTO LEVEL AXLE

- » Automatically maintains level travel.
- » Keeps truss level in uneven terrain.
- » Prevents belt mistracking.
- » Standard with automation.



### FD AXLE OPTION



### FD AXLE

- » Hydraulically transfers stacker from inline to radial mode in seconds.
- » Invented by Superior in 1994 with more than 800 FD models built since.
- » Enclosed planetary drive is securely protected from damaging debris.
- » Walking beam suspension properly balances conveyor and load.



## AXLE CONFIGURATIONS



**XTP SWING AXLE OPTION**

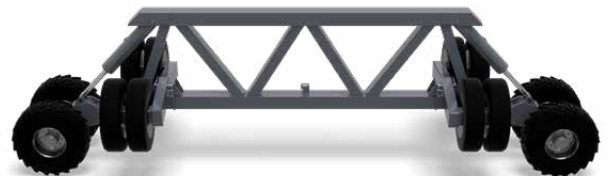


### **XTP SWING AXLE**

- » Pull T-Handle to engage power travel; no chain drive.
- » Physically transfer from road to operation in minutes.
- » Concrete pad provides level runway.
- » Single link arm stays attached to machine; no handling multiple linkages.



**PIT PORTABLE AXLE OPTIONS**



### **PIT PORTABLE FD AXLE**



### **PIT PORTABLE AXLE**

- » Both made from heavy duty fabricated steel.
- » Both designed for highest capacity, highest tonnage applications.
- » Both designed for towing within the quarry.



## HIGHLIGHTS



PILEPRO AUTOMATION

## PILEPRO™ AUTOMATION

- » In-house engineers reduce reliance on third parties.
- » Step by step program is easy to setup and understand.
- » Diagnostics screen allows users to quickly pinpoint faults.
- » Proactive maintenance reminders signal upkeep tasks.
- » Volume estimator reports estimated pile tonnage.
- » Save settings for up to four unique pile configurations.



SLIDETRACK SYSTEM

## SLIDETRACK SYSTEM

- » No areas for fugitive material to build up.
- » Proven to be more reliable in cold weather.
- » Easy to see and access for maintenance.
- » Retrofit kits for previous model TeleStacker Conveyors.



CAM ROLLERS

## LOAD ROLLERS

- » Large diameter rollers support stinger conveyor.
- » Center pivot design supports weight equally on all rollers.
- » Rollers at top and bottom for additional stability.



## HIGHLIGHTS



**FB UNDERCARRIAGE**

### **FB® UNDERCARRIAGE**

- » Designed with more steel for rock solid bracing.
- » Fully-braced inner and outer structures.
- » Perimeter positioning of cylinders increases structural support.



**STINGER SAFETY STOP**

### **STINGER SAFETY STOP**

- » Continuously monitors cable tension to stinger conveyor.
- » Immediately reacts if breakdown of cable occurs.
- » Spring loaded, mechanical device is field tested and proven.



**LOW PROFILE**

### **LOW PROFILE**

- » Eliminate reliance on transfer conveyor for loading.
- » Accepts feed directly from portable crushers and screens.
- » Minimize the number of loads in portable spread.
- » Reduce space requirements with less equipment.

## FEATURES



HYDRAULIC AXLE JACKS



MOBILE PIVOT BASE



FD AXLE TRACKS



MOXIE ROLLS



URATHON® RETURN ROLL



WALKWAYS



SPRAY BARS



COMPENSATION LINKAGE

## PORTABILITY

- » 4-Wheel Drive (FD Axle)
- » Dual Power Travel (XTP Axle)
- » Hydraulic Axle Jacks (XTP Axle)
- » Tow Eye

## MOBILITY

- » Tracked Mobile Pivot Base
- » Two Wheel Mobile Pivot Base
- » FD Axle Tracks

## MAINTENANCE

- » Moxie® Rolls
- » Urathon® Return Roll
- » Self-Aligning Idlers
- » Impact Idlers
- » Auto Greaser
- » Walkways
- » Vulcanized Splice

## ENVIRONMENT

- » Mainframe Covers
- » Stinger Conveyor Cover
- » Spray Bars
- » Epoxy Paint
- » Hot Dipped Galvanized Finish
- » Cold Weather Kit

## OTHER

- » Compensation Linkage
- » Belt Scale
- » Onboard Counterweight (XTP Axle)
- » Belting Upgrade
- » Wireless Remote Control
- » Dual Power Source
- » Discharge Hood

## SAFETY

- » Horn
- » E-Stop
- » Belt Rip Detection
- » Belt Misalignment Detection



## PHOTO GALLERY



FD AXLE IN TRANSPORT MODE



EXPERIENCE UP TO 5,000 TPH



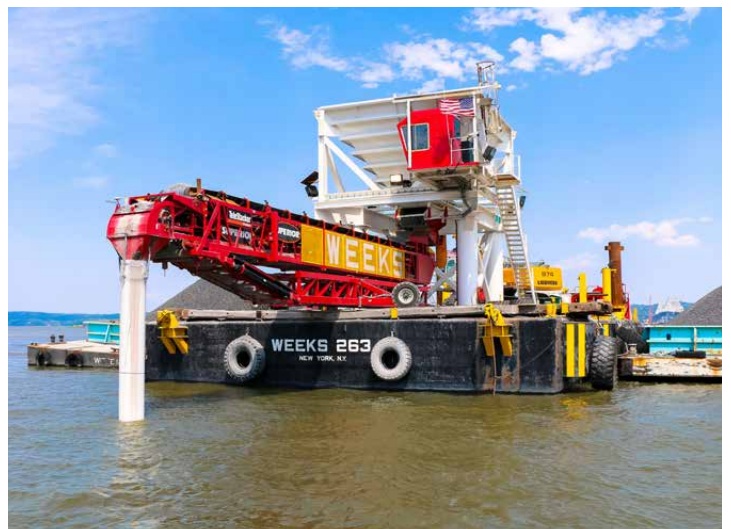
SHIP OR BARGE LOADING



SELF-CONTAINED POWER (SEE SPEC SHEET)

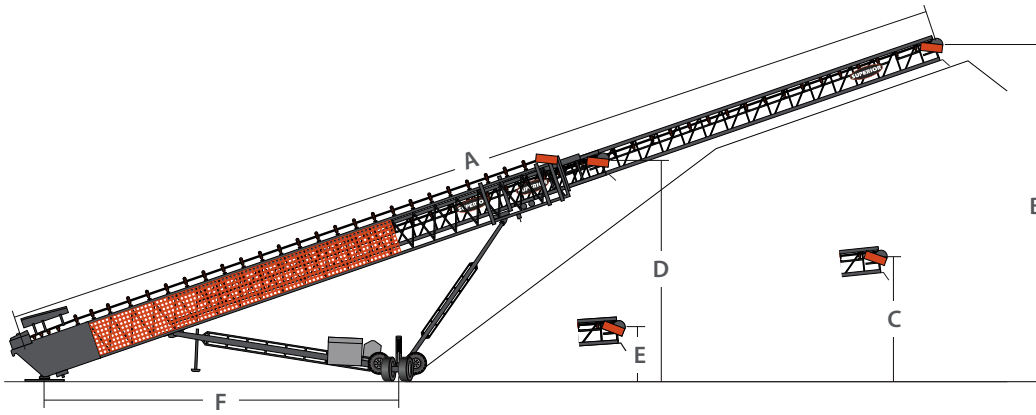


HEAP LEACH MINING

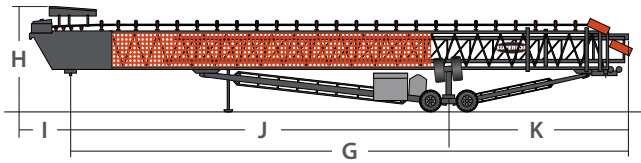


BARGE UNLOADING / DREDGE CAPPING

# TSFD SPECIFICATIONS



	110'		130'		136'*		140'**		150'		158'*	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
<b>FD AXLE (TSFD) OPERATING SPECIFICATIONS</b>												
(A) Conveyor Length	110'-0"	33.5	130'-0"	39.6	136'-0"	41.5	140'-0"	42.2	150'-0"	45.7	158'-0"	48.0
(B) Highest Extended Discharge Height	41'-3"	12.6	44'-3"	13.4	44'-0"	13.4	46'-3"	14.4	52'-9"	16.1	48'-10"	14.8
(C) Lowest Extended Discharge Height	18'-10"	5.7	16'-1"	4.9	18'-6"	5.6	19'-6"	5.9	19'-6"	5.9	19'-6"	5.9
(D) Highest Retracted Discharge Height	24'-9"	7.5	26'-1"	7.9	27'-1"	8.2	27'-6"	8.4	30'-10"	9.4	30'-10"	9.4
(E) Lowest Retracted Discharge Height	12'-0"	3.6	10'-4"	3.1	12'-8"	3.8	12'-1"	3.7	12'-6"	3.8	12'-4"	3.7
(F) Anchor Pivot to Center of Axle	39'-8"	12.1	49'-0"	15.0	55'-4"	16.9	51'-10"	15.8	54'-9"	16.7	70'-11"	21.6



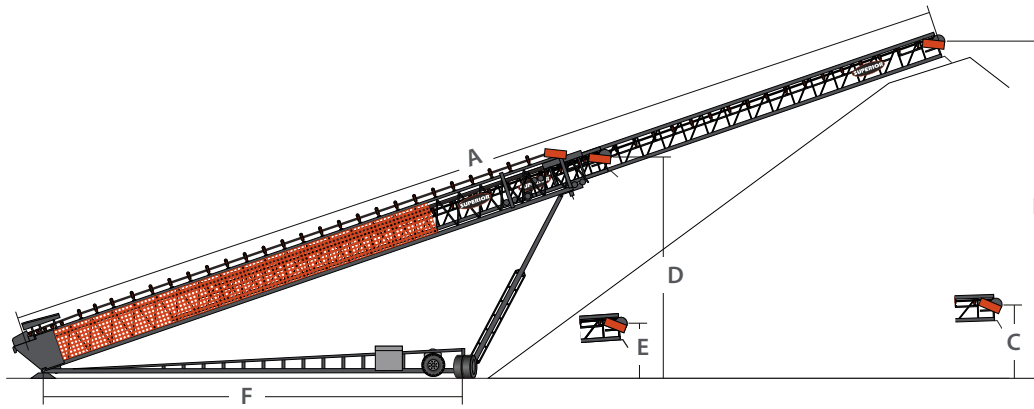
	110'		130'		136'*		140'**		150'		158'*	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
<b>FD AXLE (TSFD) TRAVEL SPECIFICATIONS</b>												
(G) Travel Length - Kingpin to Rear	60'-0"	18.2	70'-0"	21.3	80'-0"	24.4	75'-1"	22.9	80'-0"	24.4	97'-6"	29.7
(H) Travel Height	12'-5"	3.8	12'-1"	3.6	13'-0"	3.9	13'-5"	4.1	13'-10"	4.2	14'-0"	4.3
Travel Width	11'-11"	3.6	11'-11"	3.6	11'-11"	3.6	11'-9"	3.6	11'-11"	3.6	11'-9"	3.5
(I) Kingpin to End of Tow Eye	5'-10"	1.7	5'-10"	1.7	5'-10"	1.7	5'-10"	1.8	5'-11"	1.8	8'-1"	2.4
(J) Kingpin to Axle	37'-11"	11.5	47'-7"	14.5	54'-0"	16.4	51'-2"	15.6	53'-10"	16.4	70'-0"	21.3
(K) Axle to Head Pulley	22'-0"	6.7	21'-5"	6.5	25'-6"	7.7	23'-11"	7.3	26'-1"	7.9	27'-6"	8.3
FD Axle Size	FD40		FD40		FD40		FD40		FD50		FD50	

<b>WEIGHTS</b>												
	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
Weight at Axle - 36" Belt Width	30,500	13,830	34,800	15,785	36,000	16,329	38,000	17,236	40,000	18,144	53,200	24,131
Weight at Kingpin - 36" Belt Width	12,500	5,670	18,300	8,300	13,000	5,897	20,000	9,071	24,600	11,158	16,000	7,257

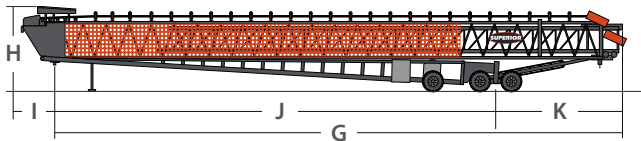
\* Low profile model. \*\* Design optimized for container shipment.



# TSSA SPECIFICATIONS



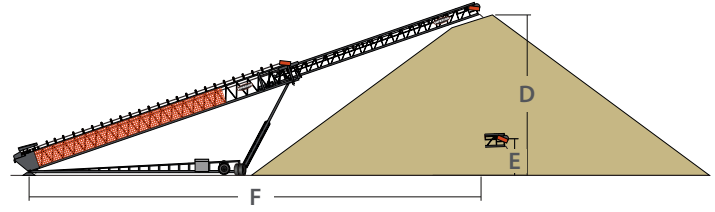
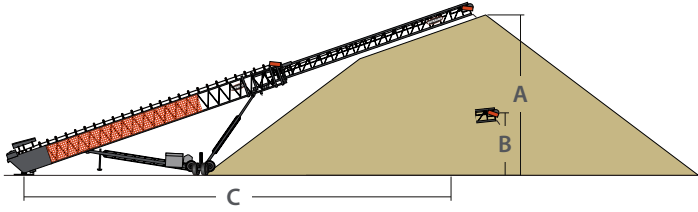
	130'		150'		170'		185'***		190'		210'*	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
<b>XTP SWING AXLE (TSSA) OPERATING SPECIFICATIONS</b>												
(A) Conveyor Length	130'-0"	39.6	150'-0"	45.7	170'-0"	51.8	185'-0"	56.2	190'-0"	57.9	210'-0"	64.0
(B) Highest Extended Discharge Height	44'-4"	13.5	52'-6"	16.0	61'-0"	18.5	64'-11"	19.8	67'-8"	20.5	71'-8"	21.8
(C) Lowest Extended Discharge Height	14'-2"	4.3	15'-10"	4.8	14'-11"	4.5	15'-9"	4.8	16'-1"	5.0	16'-11"	5.2
(D) Highest Retracted Discharge Height	26'-5"	8.0	31'-3"	9.5	38'-6"	11.0	38'-4"	11.7	38'-7"	11.0	41'-2"	12.5
(E) Lowest Retracted Discharge Height	9'-7"	2.9	10'-9"	3.2	10'-8"	3.2	10'-10"	3.3	10'-9"	3.2	11'-4"	3.5
(F) Anchor Pivot to Center of Axle	48'-6"	14.5	56'-4"	17.0	73'-10"	22.5	73'-5"	22.4	73'-10"	22.5	81'-11"	25.0



	130'		150'		170'		185'***		190'		210'*	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
<b>XTP SWING AXLE (TSSA) TRAVEL SPECIFICATIONS</b>												
(G) Travel Length - Kingpin to Rear	69'-9"	21.2	80'-0"	24.3	100'-0"	30.5	99'-8"	30.4	100'-1"	30.5	113'-1"	34.5
(H) Travel Height	12'-7"	3.8	13'-9"	4.2	13'-9"	4.2	15'-9"	4.8	14'-0"	4.2	14'-8"	4.5
Travel Width	11'-11"	3.6	11'-11"	3.6	11'-11"	3.6	12'-1"	3.7	11'-11"	3.6	11'-11"	3.6
(I) Kingpin to End of Tow Eye	6'-6"	2.0	6'-6"	2.0	6'-6"	2.0	5'-10"	1.8	6'-6"	2.0	6'-6"	2.0
(J) Kingpin to Axle	52'-3"	15.9	59'-9"	18.2	77'-3"	23.5	77'-1"	23.5	77'-3"	23.5	85'-6"*	26.0*
(K) Axle to Head Pulley	17'-5"	5.3	20'-4"	6.1	22'-10"	6.9	22'-7"	6.9	22'-10"	6.9	27'-7"*	8.4*
<b>WEIGHTS</b>												
	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
Weight at Axle - 36" Belt Width	34,400	15,605	38,000	17,235	46,000	20,865	49,000	22,226	47,000	21,318	66,700*	30,255*
Weight at Kingpin - 36" Belt Width	19,500	8,845	18,550	8,414	20,865	9,464	26,000	11,793	22,500	10,205	35,700*	16,194*

\* Contact Superior Industries for additional shipping information. \*\* Design optimized for container shipment.

# STOCKPILE SPECIFICATIONS



## TSFD STOCKPILE

## TSSA STOCKPILE

	110'		130'		136'		140'		150'		158'	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
<b>STOCKPILE DIMENSIONS (TSFD)</b>												
(A) Maximum Pile Height	39'-2"	11.9	43'-0"	13.1	43'-2"	13.1	45'-3"	13.8	50'-0"	15.2	47'-3"	14.4
(B) Lowered Stockpile Height	15'-6"	4.7	15'-10"	4.8	14'-9"	4.5	17'-4"	5.3	16'-7"	5.0	18'-10"	5.7
(C) Anchor Pivot to Center of Pile	101'-1"	30.8	116'-11"	35.6	120'-2"	36.6	129'-11"	39.6	132'-6"	40.3	146'-4"	44.6
* Low Profile Model												
	130'		150'		170'		185'		190'		210'	
	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m	ft x in	m
<b>STOCKPILE DIMENSIONS (TSSA)</b>												
(D) Maximum Pile Height	44'-5"	13.5	50'-0"	15.2	58'-3"	17.7	63'-3"	19.3	66'-1"	20.1	69'-2"	21.1
(E) Lowered Stockpile Height	11'-5"	3.4	12'-10"	3.9	11'-11"	3.6	13'-9"	4.2	14'-3"	4.3	16'-11"	5.2
(F) Anchor Pivot to Center of Pile	116'-2"	35.4	134'-5"	40.9	157'-6"	48.0	176'-2"	53.7	171'-7"	52.2	189'-3"	57.6

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
<b>MAXIMUM STOCKPILE CAPACITIES (MANUAL PILES)*</b>											
110 TSFD	39'-0"	11.8	6,600	6,000	26,600	24,100	46,500	42,200	66,500	60,300	
130 TSFD	42'-0"	12.8	8,400	7,600	36,800	33,400	65,200	59,100	93,600	84,900	
130 TSSA	45'-6"	13.8	9,000	8,200	37,400	34,000	65,800	59,600	94,200	85,500	
136 TSFD-LP	41'-6"	12.6	9,300	8,400	40,600	36,800	71,900	65,200	103,200	93,600	
140 TSFD	45'-3"	13.8	10,315	9,360	42,330	38,400	74,340	67,440	106,440	96,560	
150 TSFD	50'-0"	15.2	12,600	11,400	55,300	50,200	98,100	89,000	140,800	127,700	
150 TSSA	50'-0"	15.2	12,400	11,200	54,100	49,000	95,900	87,000	137,700	124,900	
158 TSFD-LP	47'-0"	14.3	13,100	11,900	55,200	50,100	97,500	88,400	139,700	126,800	
170 TSSA	58'-0"	17.6	17,500	15,900	75,800	68,800	134,000	121,600	192,300	174,500	
185 TSSA	63'-3"	19.3	26,630	24,160	109,000	98,880	191,360	173,600	273,725	248,320	
190 TSSA	66'-0"	20.1	25,300	23,000	111,100	100,800	196,800	178,500	282,600	256,400	
210 TSPP	70'-3"	21.4	36,825	28,154	156,050	119,308	275,275	210,462	395,500	302,381	

\* Assumptions based on material which has a 37° angle of repose and 100 PCF (1.6 t/m<sup>3</sup>) material density.