



## **TW 42-190**

### **Radial Telescopic Conveyor**



**REDUCED COST**



**SITE OPERATING  
EFFICIENCY**



**ENVIRONMENTAL  
CONSIDERATIONS**



**IMPROVE HEALTH  
& SAFETY**



**PRODUCT  
QUALITY**

OVERVIEW TW 42-190

Prostacks TW 42-190 Telescopic Stockpiling Conveyor offers the highest stockpile capacity of ProStack's Telescopic Conveyors. It has a working length of 58 metres (190ft) and can be tailored to meet any customer's needs. With a transport length of 38.4 metres (125ft) the TW 42-190 is a highly portable conveyor.

Capable of 270° of radial movement and a max working angle of 18°, this mobile telescopic conveyor is suited to jobs that require a high level of bulk material management.

With a stockpile height of 18.08 metres and maximum stockpile capacity of 237,943 tonnes the TW 42-190 mobile telescopic conveyor provides a heavy-duty solution to bulk material handling.

Max Working Height: 20.25m (66' 5")  
Min Working Height: 9.35m (30' 7")

STOCKPILE CAPACITY  
Discharge Height @ 18°@ 270°  
Radial: 237,943t (881270 Cu.Yd.)



Drum Minimum Length (Retracted): 36.5m (119' 9")  
Drum Maximum Length (Extended): 57.9m (190' 2")

Inner and Outer Conveyor Belt  
Width: 1050mm (42")

Max Working Angle: 18°  
Min Working Angle: 7°

WORKING WIDTH: 10.6M (34' 10")

TAPER FEEDBOOT  
Standard Capacity: 1.1 m³ (1.4 Cu. Yd.)

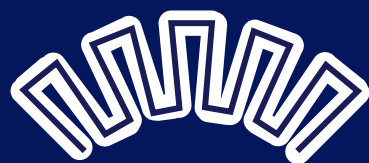
POWERUNIT  
Fully Electric, requires a generator to operate



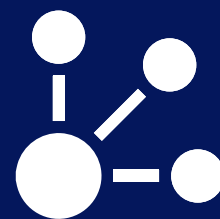
# FEATURES TW 42-190



HIGH POWERED  
CONVEYOR



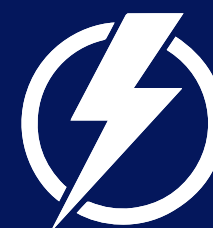
AUTOMATED  
STOCKPILE  
PATTERNS



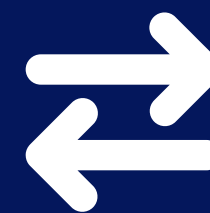
MULTIPLE  
TONNAGE  
OPTIONS



IDEAL FOR PORT  
AND TERMINAL  
APPLICATIONS



FULL ELECTRIC  
DRIVE



EASY TO  
TRANSPORT



FEEDBOOT DEADBOX	
Standard Capacity	1.55 m3 (1.4 Cu. Yd.)
Feed In Width	1648 mm (5' 4")

CONVEYORS	
Inner Conveyor	
Width	1050mm (42")
Belt Centres	34.7m (113' 10")
Belt Type (Plain/Chevron)	Plain
Belt Spec	EP400 3 4+2
Drive Drum Diameter	520 mm
Tail Drum Diameter	457 mm
Max Belt Speed of Conveyor	162 MPM
Motor Size & type	2 x 30KW
Outer Conveyor	
Width	1050mm (42")
Belt Centres	24.1m (79' 1")
Belt Type (Plain/Chevron)	Plain
Belt Spec	EP400 3 4+2
Drive Drum Diameter	520 mm
Tail Drum Diameter	457 mm
Max Belt Speed of Conveyor	156 MPM
Motor Size & type	2 x 45KW
Operating Angle	7 - 18°

WEIGHT	
Total Weight	65000kg approx.
Maximum Tonnage	1500tph
Maximum Feed Size	100mm (4") based on 30 degree surcharge

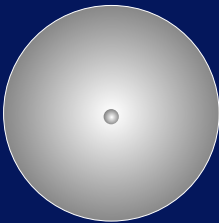
OPTIONS
Pull cord E-Stop
Feedboot Lined 6mm steel liner
Feedboot Lined 6mm AR400
Feedboot Lined 12mm AR400
Feedboot Lined 20mm rubber liner
Chevron Belt
Heavy Duty Belt
Working Lights
Twin Radial Drive
Feedboot Extensions
Radio remote
Belt alignment switches
Material sensors
Belt speed sensor
Low level greasing
Dust suppression spray bar
Self-alignment troughing roller
Engine: 5.5hp deployment engine
Tracked Tugger

STOCKPILE CAPACITIES		
RADIAL DEG	VOLUME (m³)	VOLUME (yrds³)
0	11515	15061
30	25320	33117
60	39126	51175
90	52931	69231
120	66737	87289
150	80542	105345
180	94348	123403
270	135764	177573

## STOCKPILE CONFIGURATIONS

The Terex automated telescopic action can create 30% more stockpile capacity than fixed length radial conveyors.

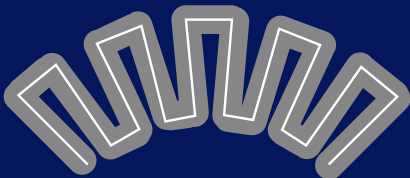
With standard conveyor producing a manual conical stockpile, 6 other automated patterns creating stockpiles as shown in below image.



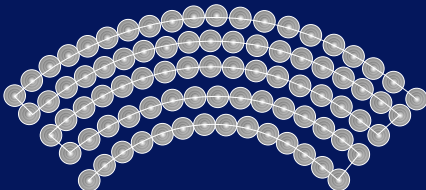
Standard Conveyor



Standard Radial



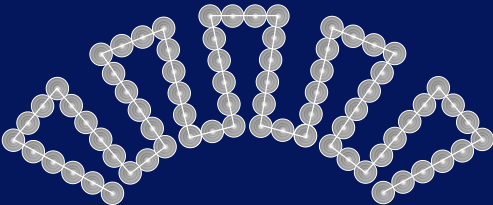
Inline Windrow



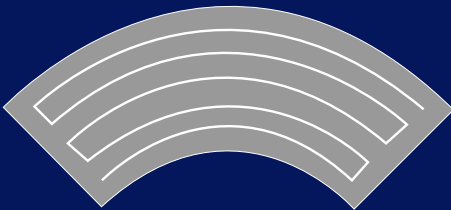
Radial Conical



Radial Windrow



Inline Conical



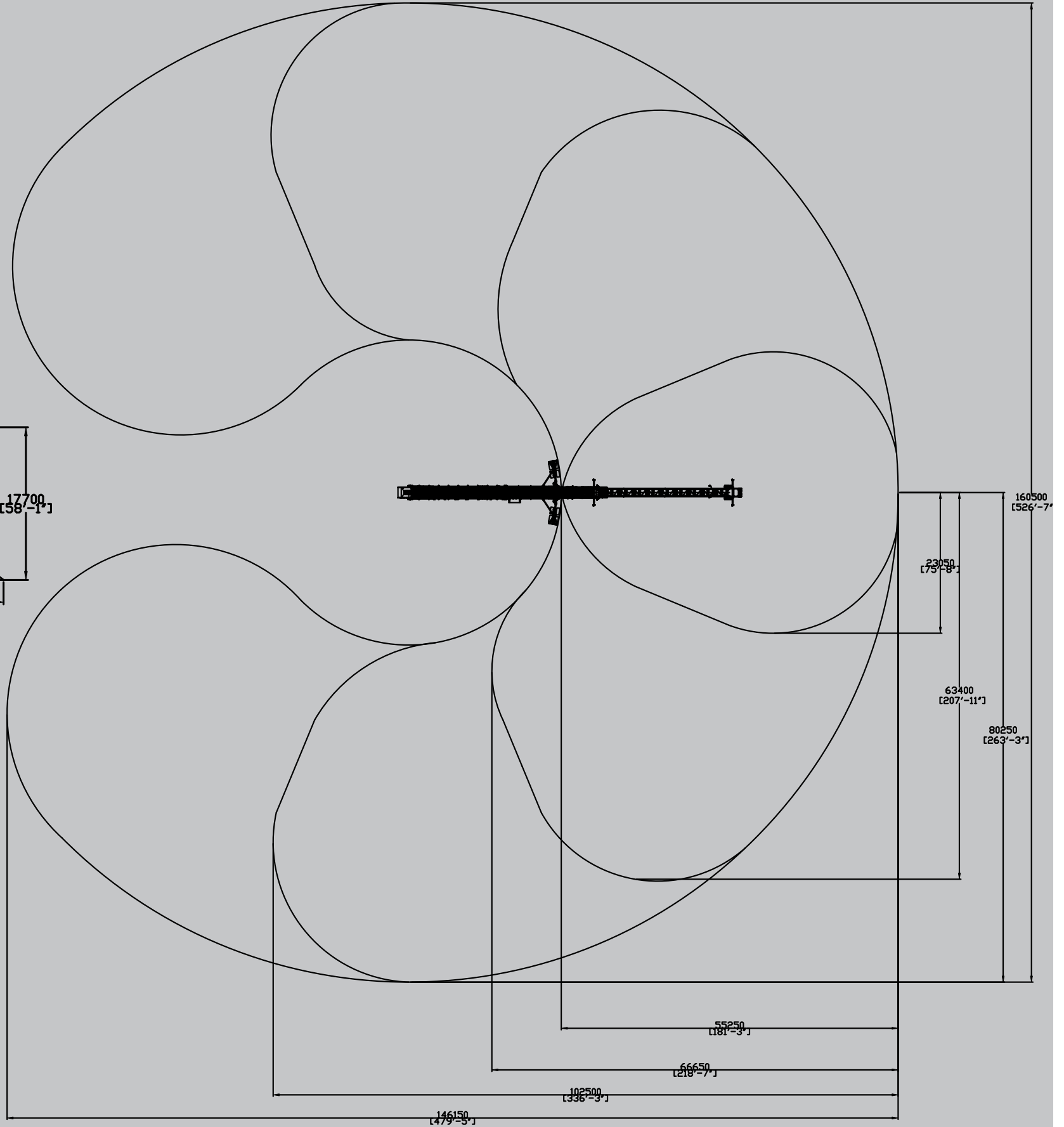
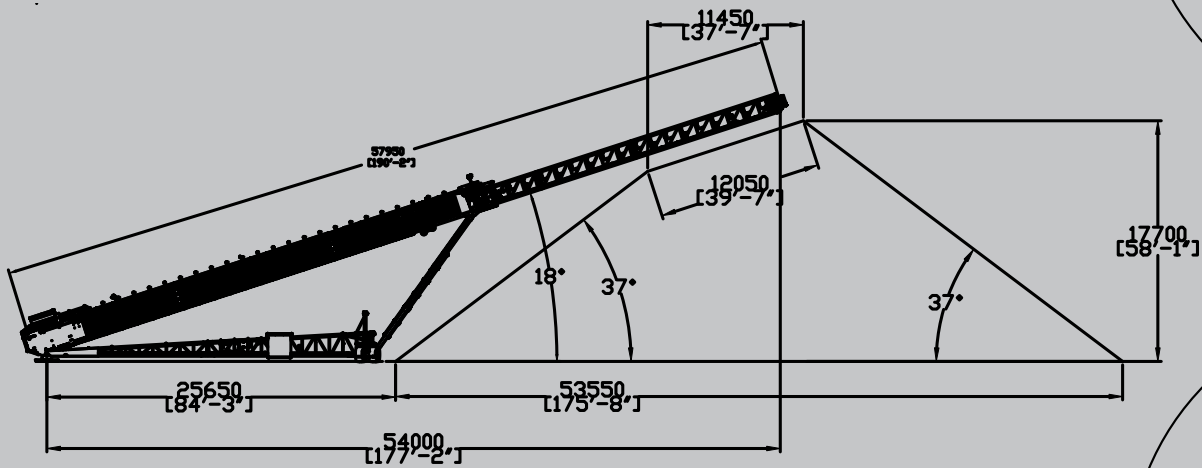
Radial Windrow Flat Top



# DIMENSIONS TW 42-190

APPROX. STOCKPILE CAPACITY  
MATERIAL DENSITY: 1600kg/m3

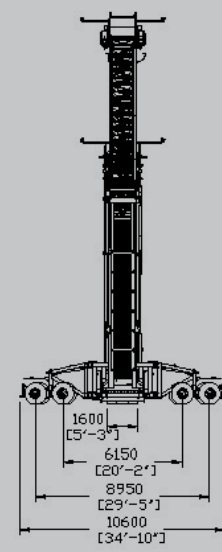
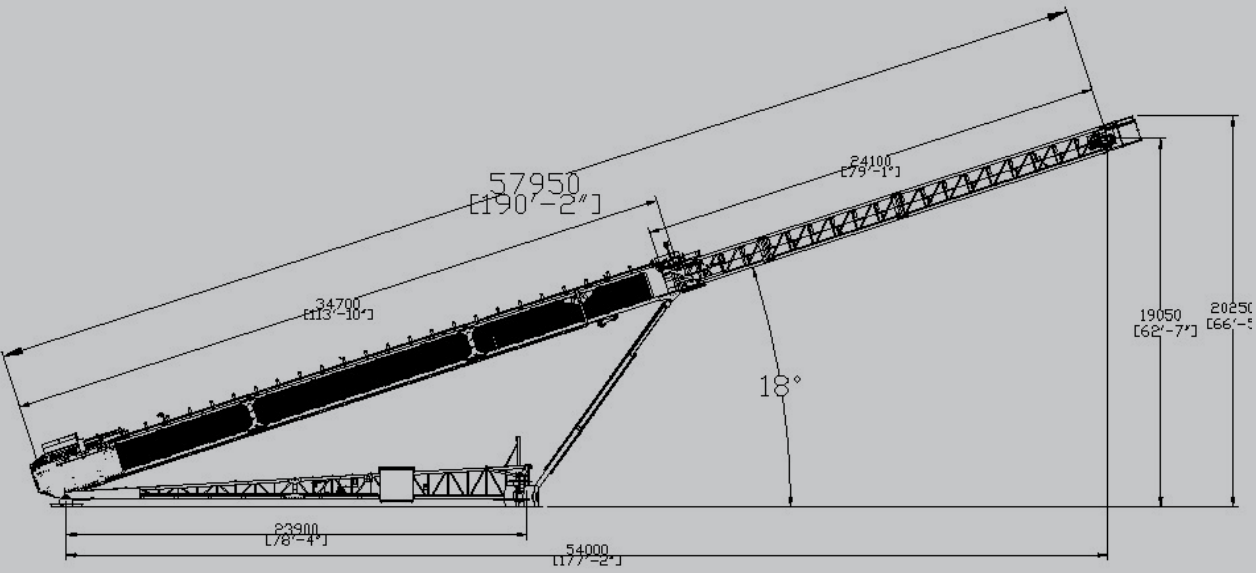
RADIAL DEG	VOLUME (m3)	VOLUME (yrds3)	MASS (Tonnes)	MASS (Ton)
0	11515	15061	18424	20266
30	25320	33117	40512	44563
60	39126	51175	62602	68862
90	52931	69231	84690	93159
120	66737	87289	106779	117457
150	80542	105345	128867	141754
180	94348	123403	150957	166052
270	135764	177573	217222	238945



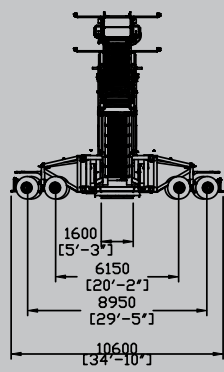
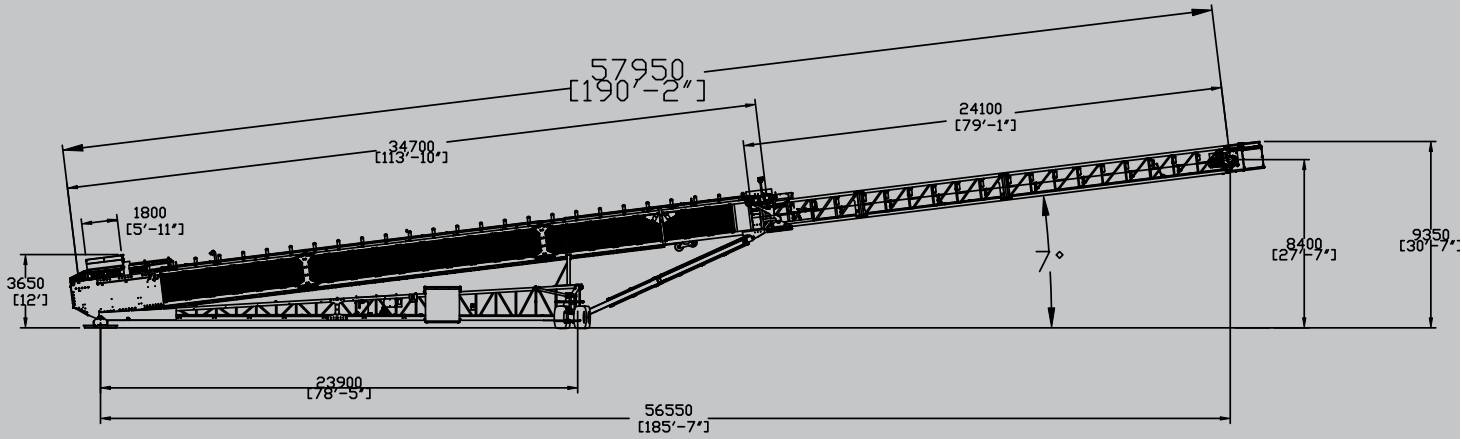


WORKING

MAX WORKING HEIGHT



MIN WORKING HEIGHT







## FOR FURTHER INFORMATION PLEASE CONTACT:

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