

Belt Wizard "Conveyor" Data Sheet

Customer _____
Plant / Mine _____
Location _____
Distributor _____

If Possible... Sketch Conveyor Profile Above
 (Note: Provide as a separate attachment if necessary)

Conveyor (name or #) _____
 Covered, Underground, or Tripper? _____
 Reversible ?? _____ Min Ambient Temp (°F) _____

Drive Details:
 Type _____ Horsepower _____
 Wrap Angle (deg) _____ Lagging _____
 Location from Head (ft) _____
 Acceleration: Time (sec) _____ or, Torque (% Nmplt) _____

Dimensional Data:
 Width (in) _____ Total Belt Length (ft) _____
 * Profile: 1 2 3 4
 Length (ft) _____
 Lift (ft) _____
* See Attached Sheet For Instructions

Brakes ?? _____ Torque (ft-lbs) _____

Conveyance Details:
 Capacity (tph) _____ Belt Speed (fpm) _____
 Hrs/Day _____ Days/Yr _____ Tons/Yr _____

Pulley Diameters (in):
 Head _____ Tail _____ Drive _____ Snub _____
 Takeup _____ TU Bends _____ "Other" (Note in Comments)

Material:
 Type _____
 Weight (pcf) _____
 Max Size (in) _____ Drop to Belt (ft) _____
 Temp (°F) _____ Oil ?? _____
 Skirting Length (ft) _____
 Transfer Angle _____ If Other (deg) _____

Takeup:
 Type _____ Cwt (lbs) _____
 Movement (ft) _____ Location from Head (ft) _____

Idlers:
 Type/Style _____ Roll Diam (in) _____
 Degree Trough _____ Degree Return _____
 Spacing (ft): Trough _____ Return _____

Transition Distances (in):
 Head _____ Tail _____ Tripper _____
Turnovers ??
 Distances (ft): Head _____ Tail _____

Splice Type _____

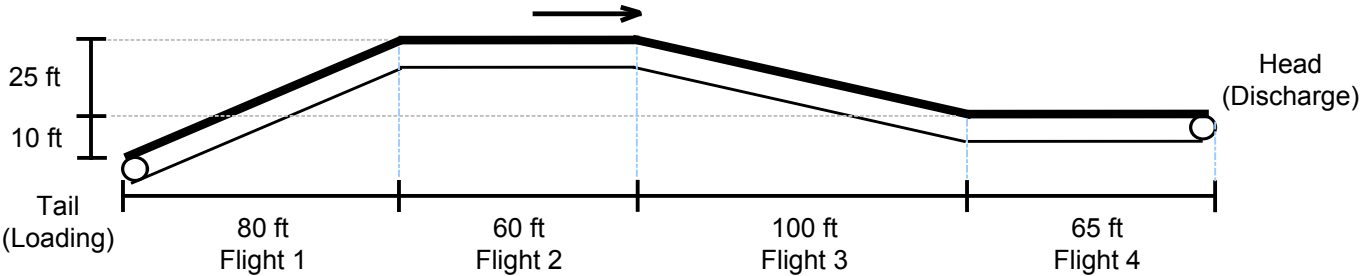
Belt History:
 Spec _____
 Problems/Failure/Service? _____

Comments / Concerns / Suggestions:

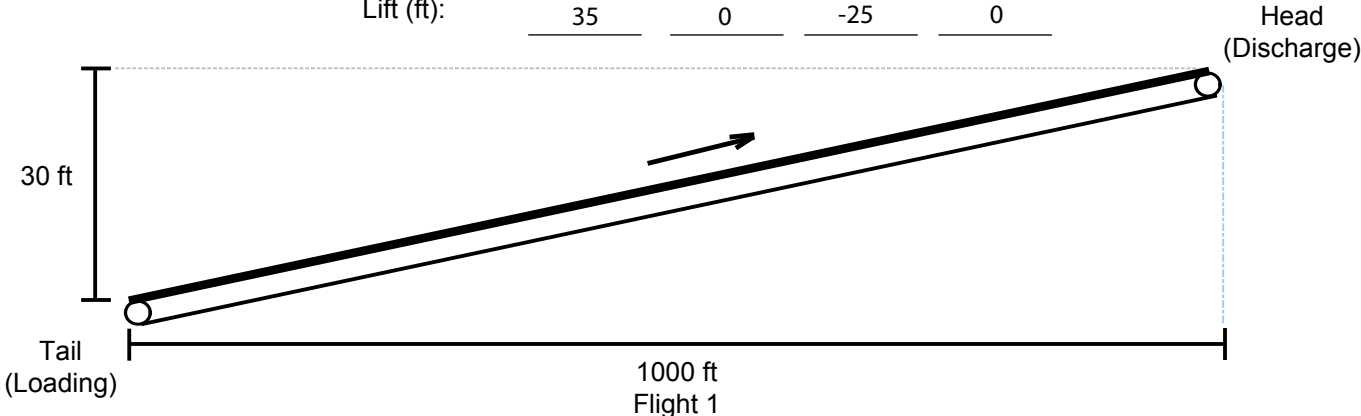
Submitted By _____ **Date** _____

Belt Wizard Data Sheet Profile Instructions

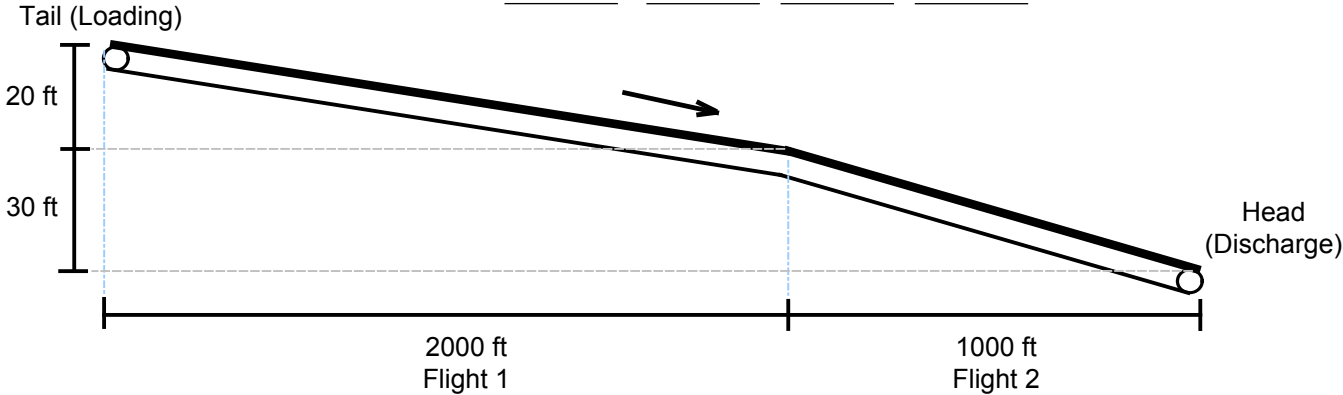
This datasheet assumes that the conveyor being described can be broken up into a maximum of 4 sections, normally referred to as "flights." Each section of the conveyor has its own length and lift. Examples of how to input various conveyor profiles is shown below. **Note: A minimum of 1 flight is required to be input for this datasheet!** Also note that the carry side and the return side of the conveyor are assumed to have the same length and lift.



Profile:	1	2	3	4
Length (ft):	80	60	100	65
Lift (ft):	35	0	-25	0



Profile:	1	2	3	4
Length (ft):	1000			
Lift (ft):	30			



Profile:	1	2	3	4
Length (ft):	2000	1000		
Lift (ft):	-20	-30		