



BELT CONVEYOR ANALYSIS DATA

Company Name: _____

Project Name: _____

Designed By: _____

Date: _____ Conveyor No. _____

Product: _____ Load Case Number: _____

BELT WIDTH (IN) = _____

BELT SPEED (FPM) = _____

CONVEYOR CAPACITY (TPH) = _____

MIN. TEMP. = _____

MATL. DESCRIPTION = _____

MATL. DENSITY (LB/FT³) = _____

SURCHARGE ANGLE = _____

MAX. LUMP SIZE (IN) = _____

CHUTE DROP (FT) = _____

BELT SPECIFICATION (MFG) = _____

CARCASS (3 PLY 220) = _____

RATING PIW = _____

TOP COVER GAUGE = _____

BOTTOM COVER GAUGE = _____

NAME PLATE HP = _____

POWER RATIO = _____

EFFICIENCY (See Chart A) = _____

LAGGING TYPE = _____

TAKE-UP TYPE (AUTO/MANUAL) = _____

NO. OF PULLEYS (Moving Carriage) = _____

RUNNING % SAG (See Chart B) = _____

ACCEL / DECEL % SAG = _____

CHART A	DC	V-BELTS	OG CHAIN	OIL CHAIN
No Reducer	100	—	.93	.95
Single Reduction Helical	.95	.89	.88	.90
Double Reduction Helical	.94	.88	.87	.89
Triple Reduction Helical	.93	.87	.86	.88

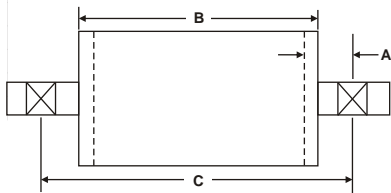
MAX MATERIAL SIZE RUNNING SAG			
CHART B	ALL FINES	10% BW	20%BW
TROUGH ANGLE			
20	3	3	3
35	3	2	2
45	3	2	1.5

	CARRY SIDE	RETURN SIDE
IDLER CEMA RATING	_____	_____
DESCRIPTION	_____	_____
TYPE	_____	_____
NO. OF ROLLS	_____	_____
ANGLE	_____	_____
BRG. TYPE	_____	_____
ROLL MATERIAL	_____	_____

Flt	Descr Carry/Return	Length (ft)	Lift (ft)	Angle (Deg)	Idler Spcng (ft)	Load Pct% (lbs./ft)	Skirt Lngth (ft)	Accel Load (stph)	No. of Cinr	No. of Plw	Extra Drag (lbf)	Conc. Wt (lbs)
1-2												
2-3												
3-4												
4-5												
5-6												
6-7												
7-8												
8-9												
9-10												
10-11												
11-12												
12-13												
13-14												
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20-21												
21-22												
22-23												
23-24												
24-25												
26-27												
27-28												
28-29												
29-30												

Please sketch outline of current conveyor

Example:



Flt	Head	Drive	Snub	Bend	Take-up	Tail
Incoming Angle						
Wrap Direction						
Wrap Angle						
Lagging Gauge						
Lagging Type						
Pulley Face Width (B)						
Bearing Centers (C)						
Dimension "A" (See Dwg)						
Shaft Material						
Shaft Diameter						
Bearing Diameter						
Bearing Type						