

Pipe Conveyor Belt



Features

Application

Mainly used to transport bulk solids in the Cement, Fertilizer, Coal, Powder, Steel, Pulp and paper, Food grains etc. Pipe conveyors overcome some problems commonly associated with conventional conveyors, e.g. spillage of materials, belt training, limited angles conveyance, horizontal curves and multiple flights.

Carcass

EP, Steel Cord, Kevlar

Cover Grade

Abrasion Resistance, Chemical Resistance, Flame Resistance, Heat Resistance, LRR/SLRR ...

Construction



- Maximal pipe belt width up to 3200mm
- Maximal outer diameter of pipe belt up to 900mm
- The pipe diameter should be min. 3 times the lump size.
- The filling degree should be between 60 and 75 %.

Steel cord conveyor belt offer superior strength and reduced elongation when compared to fabric belt, making steel cord belts a more cost-effective and reliable choice for systems with extended conveying distances or elevated lifts. Max strength ST10000, Max belt width 3200mm, Max roll weight 80ton.

DataSheet

Steel Cord Pipe Conveyor Belt					
Belt Type	Minimum Breaking Strength Per Width Of Belt (N/mm)	Maximum Cord Diameter (mm)	Minimum Breaking Strength Of Cord (KN)	Cord Pitch (mm)	Minimum Thickness Of Covers (mm)
ST630	630	3	7	10	4
ST800	800	3.5	8.9	10	4
ST1000	1000	4	12.9	12	4
ST1250	1250	4.5	16.1	12	4
ST1400	1400	5	20.6	14	4
ST1600	1600	5	20.6	12	4
ST1800	1800	5.6	25.5	13.5	4
ST2000	2000	6	25.6	12	4
ST2250	2250	5.6	26.2	11	4
ST2500	2500	7.2	40	15	5
ST2800	2800	7.2	39.6	13.5	5
ST3450	3150	8.1	50.5	15	5.5
ST3500	3500	8.6	56	15	6
ST4000	4000	8.9	63.5	15	6.5
ST4500	4500	9.7	76.3	16	7
ST5000	5000	10.9	91	17	7.5
ST5400	5400	11.3	98.2	17	8
ST6300	6300	12.8	130.4	19.5	10
ST7000	7000	13.5	142.4	19.5	10
ST7500	7500	15	166.7	21	10

Fabric Pipe Conveyor Belt			
Carcass Type	Strength (KN/m)	No. of Pipes	Width
NN/EP	160	2	300-800
NN/EP	250	2~3	400-1000
NN/EP	315	2~4	500-1600
NN/EP	400	2~4	600-1600
NN/EP	500	2~5	750-1600
NN/EP	630	3~6	750-2000
NN/EP	800	3~6	750-2200
NN/EP	1000	3~6	750-2200
NN/EP	1250	3~6	900-2200
NN/EP	1400	3~6	1000-2200
NN/EP	1600	4~6	1050-2200
NN/EP	2000	4~6	1050-2400
NN/EP	2500	5~6	1200-2400
NN/EP	3150	5~6	1400-3000

Cover Grade Standards				
Grade	Standard	Abrasion MM3	Breaking strength N/MM2	Elongation at break %
W	DIN22102	90	18	400
X	DIN22102	120	25	450
Y	DIN22102	150	20	450
Z	DIN22102	200	15	350
W	DIN22131	90	18	400
X	DIN22131	120	25	450
Y	DIN22131	150	20	400
K	DIN22131	200	20	400
H	ISO15236	120	24	450
L	ISO15236	200	18	350
K	ISO15236	200	15	350
I	RMA	170	17	400
II	RMA	200	14	400

More Standards: GB/T9770, SANS1366, AS1333.