



SERETOULIS V. - PROKOPIDIS S. P.C.

***DEVELOPMENT & MANUFACTURING COMPANY
OF ELECTROMECHANICAL INSTALLATIONS***



Belt Conveyors

SP - QC Series Conveyors

Comprehensive conveyor know - how

Installation

Our company has designed netting frames that are simple to dismantle, transport, assembled and erect. Assembling is required less time. During erection the need for stuff and handling equipment is reduced. We provide assembly manual for each part of conveyor belt and erection guide for the whole conveyor at project location.

Moreover, all parts of our conveyor are being subjected to quality control (measurements, welding, materials supply), during construction and before loading. In this way we ensure a reliable control of your parts when receive on site.

Finally, all components and materials we use are from certificated European Company's.



Head and Tail Assembly

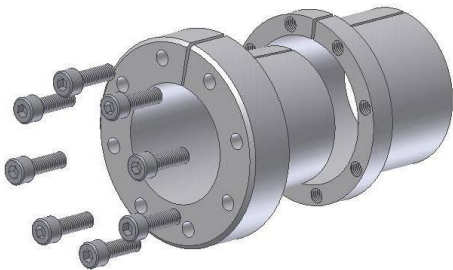
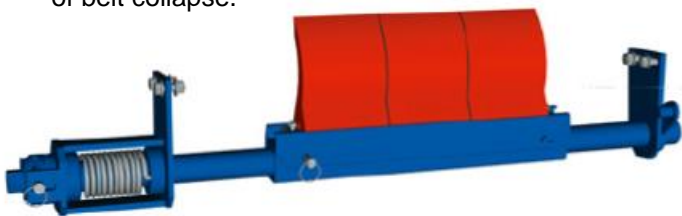
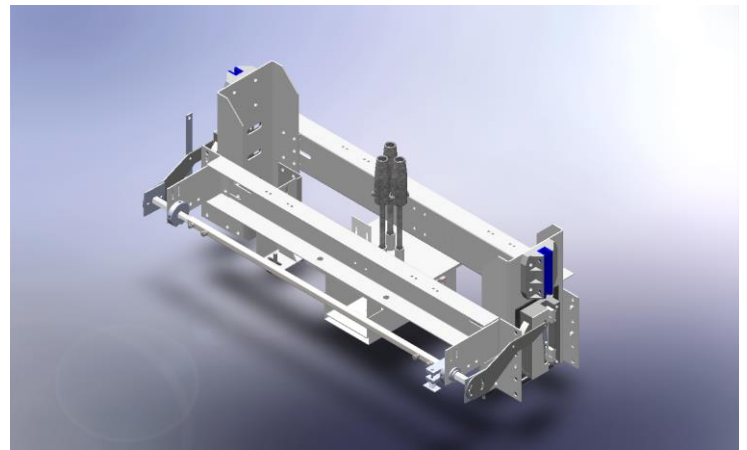
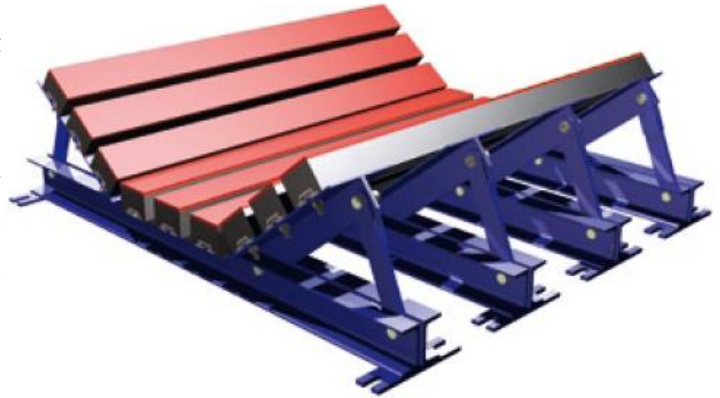
Fully assembled head and tail components assure you of a trouble operation from start up. Good belt tracking is the most important for a belt conveyor user. A crowned tail pulley, coupled with a rubber coated head pulley, ensures excellent tracking and increases belt life. Tail & Tension Assembly



Thorough Knowledge to Belt Conveyor Engineering

Belt conveyor is generally given less importance of Plant Owners due to its simple nature and general presence in all factories. Statistically show a less engineered belt conveyor, unfortunately shows the biggest downtime loss in a plant. This will not happen in our belt conveying systems. We provide a lot of simple and tough sophisticated parts of each system that provide perfect operation, less maintenance and downtime. Such parts are:

- Pre-cleaning systems.
- Cleaning systems with antivibration brackets.
- Tail cleaners from polypropylene with high molecular weight.
- Pressure rollers in Heads for increasing wrap angle.
- Self alignment roller stations on both upper and lower side.
- Impact rollers where needed.
- Adjustable inclination Impact bars where needed.
- Each return roller with its scraper.
- Taper Lock system to head & tail pulleys.
- Special safety gear mechanism in case of counterweight tension systems (above 70m of conveyor length) in case of belt collapse.



Stock Pilling Pivoted Conveyor

Features & Benefits

Safety

Top priority is people's safety and well - being. The risk of an accident is always present during conveyor's use. Therefore, at our conveyors we use a range of safety devices to assure operator's protection. Standard includes walkways with anti-skid flooring and handrails, safety grid along conveyor length, fender to motor & gear reducer and electrical safety devices as pull cord emergency switch, safety switch, belt misalignment switch, rotation detector. Additional safety devices is also systematically proposed.



Maintenance

Our conveyors are designed in order to reduce maintenance and servicing time. All our components are selected from respectable European suppliers. Walkways, with anti-skid flooring, are used to facilitate inspection and servicing conditions. Alike, the full accessibility to different components reduces the maintenance time.



Environment

Our company, conscious to environmental protection has developed a range of cover systems, which are tough, flexible, aesthetic , having simultaneously excellent sealing.



Specifications

Description			Belt width (mm)				
			SP_QC-500	SP_QC-650	SP_QC-800	SP_QC-1000	SP_QC-1200
TAIL	Length	(mm)	1190			1450	
	Tension Length	Short (mm)	340			380	
		Long (mm)	580			620	
	Feed Hopper W x L	(mm)	500 x 1260	650 x 1260	800 x 1260	1000 x 2245	1200 x 2245
	Pulley dia.	(mm)	245 (4 -11 Kw)	245 (4-11 Kw)		320 (4-11 Kw)	
320 (15-37 Kw)				400 (15-37 Kw)			
400 (45-60 Kw)				500 (45-60 Kw)			
HEAD	Length	(mm)	1250			1650	
	Power	(Kw)	4 - 11	4 - 60		7.5 - 90	
	Pulley dia.	(mm)	260 (4 & 5.5 Kw)	340 (4 - 11 Kw)		420 (7.5 - 11 Kw)	
				420 (15 - 37 Kw)		520 (15 - 60 Kw)	
340 (7.5 & 11 Kw)			520 (45 - 60 Kw)		640 (75 - 90 Kw)		
STRUCTURE FRAME	Lengths	Standard frame (m)	1 - 2 - 3 - 4 - 5 - 6				
		High span frame (m)	2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10				
	Overall Width	(mm)	820	1000	1150	1400	1650
	Overall Height	Standard frame (m)	650	750		950	
		High span frame (m)	1400			2000	
ROLLERS	Carrying	Ø x L (mm)	89 x 200	89 x 250	89 x 315	133 x 380	133 x 465
		Idlers spacing (mm)	1000 (250 under feed chute)				
		No. of idlers /set	3	3	3	3	3 - 4
		Through angle	35 °	35 °	35 ° - 45 °	35 ° - 45 °	35 ° - 45 °
		Shaft: Ø x L (mm)	20 x 226	20 x 276	20 x 341	20 x 406	20 x 491
	Return	Ø x L (mm)	89 x 600	89 x 750	89 x 950	89 x 1150	89 x 1400
		Idlers spacing (MM)	3000				
		No. of idlers /set	1				
		Shaft: Ø x L (mm)	20 x 226	20 x 276	20 x 341	20 x 406	20 x 491
	Pressure	Ø x L (mm)	159 x 600	159 x 750	159 x 940	219 x 1150	219 x 1400
			(7.5 - 11 Kw)	(7.5 - 11 Kw)	(7.5 - 11 Kw)	(15 - 37 Kw)	(15 - 37 Kw)
				219 x 750	219 x 940	273 x 1150	273 x 1400
				(15 - 37 Kw)	(15 - 37 Kw)	(45 - 60 Kw)	(45 - 60 Kw)
		273 x 750	273 x 940	323 x 1150	323 x 1400		
		(45 - 60 Kw)	(45 - 60 Kw)	(75 - 90 Kw)	(75 - 90 Kw)		

References

Greece / Pella

800 tn/h Diabase Quarry



Cyprus

1000 tn/h Basalt Quarry



Ethiopia / Addis Ababa

300 tn/h Limestone Quarry



References

Cyprus

800 tn/h Basalt Quarry



Cyprus

800 tn/h Limestone Quarry



Nigeria / Lagos

50 tn/h Limestone Filler Plant



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