



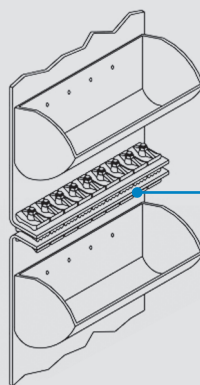
Rubber Conveyor Belts Elevators



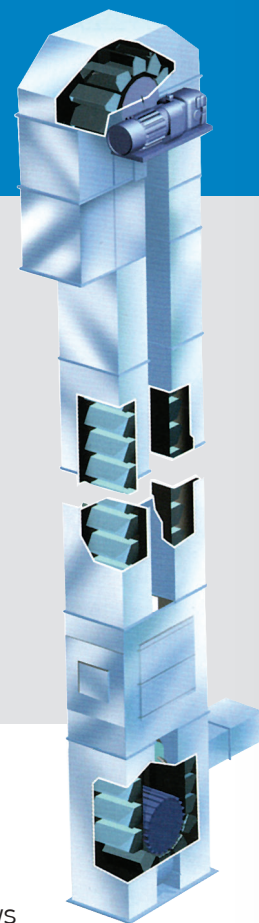
Elevators

Conveyor Belts

- The elevators belts are designed for application in all areas. Due to their carcass construction they are known as an “endurance runner” and have proven to be reliable conveyor belts with a long service life.
- Elevator belts are the best solution from the technical and cost-efficiency point of view.



Maxi Splice



CONSTRUCTION

Bucket elevator belts have bolt holes to fix buckets along the entire belt length, making them suitable to be torn easily and receiving pulled force with the buckets' weight. They also have a withdrawal force different from that of the ordinary belts in bending in connection with pulleys. Therefore, their carcasses mainly use polyester fabric that can address such problems. Steel cord is used when a highly powerful belt is required.

APPLICATION GROUPS

- Sand, gravel and stone industry /Cement, concrete plants
- Heating and power stations, garbage incinerating plants
- Asphalt mixing plants
- Recycling, compost, mineral processing plants
- Timber industry and sawmills
- Farming / Warehousing, silo feeding
- Docks, ship loading and unloading
- Sugar refineries, salt mines, potatoes and starch factories
- Foundries
- Waste treatment plants

ADVANTAGES

- High pull-out resistance of fixing screws
- Very low elongation at reference load
- Also possible with transverse reinforcement
- Rubber cover possible with cured in grooves/holes for fixing metal boards
- Belt damages arising from fabric destruction are limited
- Asymmetric cover thickness possible
- High adhesion strength
- High cost -efficiency due to low maintenance and operational expenses
- Low cost endless splicing by hot curing, cold treatment, or mechanical clamping
- Favourable belt price / efficiency ratio
- Manufacture according to DIN 22102 and DIN EN 20340
- Improved weathering and rotting resistance
- Moulded or cut rubber edge
- Various types of rubber

STANDARD SPECIFICATIONS (MULTI PLY) WITH RUBBER COVER

SPECIFICATION	TYPICAL COVER RUBBER THICKNESS	MINIMUM PULLEY DIAMETER (mm)			
		4 (Ply)	5 (Ply)	6 (Ply)	7 (Ply)
EP 315		500			
EP 400		650	600		
EP 500		650	750	850	
EP 630	2.0 x 2.0	700	800	950	1000
EP 800		800	850	1000	1150
EP 1000		850	1000	1000	1200
EP 1250		900	1050	1200	1400
EP 1500		1050	1100	1300	1400

STANDARD SPECIFICATIONS (MULTI PLY) WITHOUT RUBBER COVER

	3 (Ply)	4 (Ply)	5 (Ply)	6 (Ply)
EP 100	300	400	500	600
EP 200	350	450	500	600

STEEL ELEVATOR BELTS

The structure of Beltco elevator belts is a steel carcass composed by a strong warp of steel cord with suitable elastic modulus such to reach the best compromise between low elongation and good flexibility. This characteristic makes the belt easier to be aligned than traditional steel cord elevator.

Furthermore, the cable elasticity allows the use of pulleys with lower diameters, depending on the requirements of clamps and buckets.

TEXTILE ELEVATOR BELTS

Belts designed to be used in bucket elevator plant only. The special construction of the reinforced polyester-nylon fabrics assures the use of such belts also for severe loading requirements. The result are the following:

- Polyester warp assures high resistance to heavy working conditions.
- Nylon weft guarantees transverse tearing strength and strong bolt holding.

Are supplied with cut edges because sintetic fabrics used for their production do not need protection against humidity as they can't absorbe any liquid.

The 2 mm thickness both for top and bottom cover is designed to protect the carcass and at the same time assures the best bucket support without bolt loosening.



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