

dynamic rubbers

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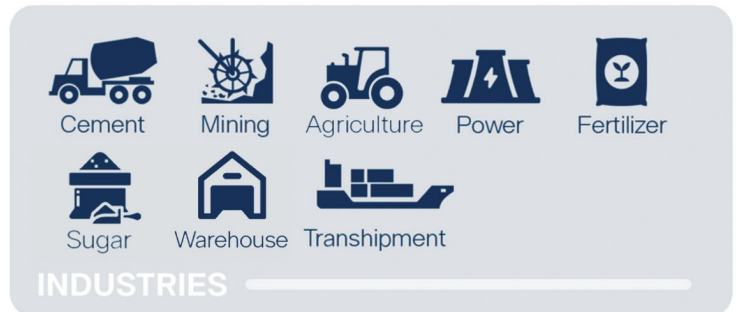
Product Catalogue

Bulk Material
Handling Solutions

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Bucket Elevator Belts

Bucket elevator belts feature bolt holes spanning the entire length for bucket attachment. Designed to handle the buckets' weight and pulling force, they require carcasses mainly made from polyester fabric to address tear and bending issues. For increased strength, steel cord is employed in high-power belt applications.



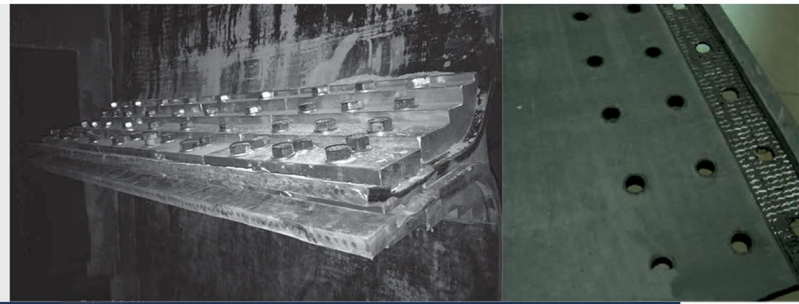
- ▶ **Steel Elevator Belts** : DYNAMIC's elevator belts have a steel carcass with strong steel cord warp, balancing low elongation and flexibility for easy alignment. Cable elasticity permits smaller pulley use, meeting clamp and bucket demands.
- ▶ **Textile Elevator Belts** : These belts are exclusively intended for bucket elevator plants. The distinctive construction of reinforced polyester-nylon fabrics ensures their applicability even under demanding loading conditions.
- ▶ **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.**

1. Steel cord elevator belt
2. Elevator buckets
3. Elevator bolts
4. Solid elevator belt fastener
5. Drive pulley
6. Return pulley
7. Pulley lagging
8. Junction box large
9. Junction box small
10. Belt misalignment monitoring
11. Speed monitoring system
12. Product level sensor



Fig. 10.1. Components of Belt Bucket Elevators

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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

TECHNICAL SPECIFICATIONS - BELT CARCASS CONSTRUCTION				
Strength	Warp cords	Pitch	Warp cords	Pitch
DRST630	Ø 2.00 mm	4.63 mm	Ø 2.00 mm	4.63 mm
DRST800	Ø 2.85 mm	6.67 mm	Ø 2.85 mm	6.67 mm
DRST1000	Ø 2.85 mm	5.38 mm	Ø 2.85 mm	5.38 mm
DRST1250	Ø 3.90 mm	7.04 mm	Ø 3.90 mm	7.04 mm
DRST1400	Ø 3.90 mm	6.25 mm	Ø 3.90 mm	6.25 mm
DRST1600	Ø 3.90 mm	6.25 mm	Ø 3.90 mm	6.25 mm
DRST1800	Ø 3.90 mm	5.00 mm	Ø 3.90 mm	5.00 mm
DRST2000	Ø 3.90 mm	4.65 mm	Ø 3.90 mm	4.65 mm
DRST2500	Ø 4.35 mm	6.33 mm	Ø 4.35 mm	6.33 mm
DRST2750	Ø 4.35 mm	5.71 mm	Ø 4.35 mm	5.71 mm

CONVEYER BELTING



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