BARE BELTS
MERCURIO

MERCURIO
CONVEYOR BELT

Mercurio Bare Belts are solutions designed with textile fabric and may or may not include a rubber film coating. The superior adhesion between plies and its dimensional stability provides greater flexibility, safety, and better performance during operation.

Our Bare Belts are manufactured with high-strength materials providing a long service life. Due to its easy installation and maintenance, downtime is reduced for maintaining high production rates.

Applications

They are widely used in the following ways:

• To transport grains and low abrasive materials such as cereals and in relation to volume handling, boxing, and bagging

• On conveyors that have plates instead of rollers for transporting materials

• Used with bucket elevators

Recommended Types of Splicing

• **Conveyor belts:** hot, cold, and mechanical splicing

• **Elevator belts:** mechanical splicing, overlapping, and juxtaposition

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Minimum and Maximum Widths

Mercurio	Mercurio DIN 22102	Admissible Tension [N/mm]	Belt Weight [kg/m²] ± 2,5%		Belt Thickness [mm] ± 1		Trough - Minimum width αr			0 - 800 kg/m³ αr			801 - 1600 kg/m³ αr			1601 - 2400 kg/m³ αr		
			W.C.*	N.C.*	W.C.*	N.C.*	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°
												Millimeters						
2PAN100	EP200/2	20	2,91	3,89	2	2,8	250	300	450	1000	900	800	800	800	800	800	600	500
3PAN100	EP315/3	32	5,69	6,08	3	3,8	350	500	500	1200	1000	900	1000	1000	800	900	800	600
4PAN100	EP400/4	40	7,53	8,1	4	4,8	500	500	600	1400	1600	1600	1400	1400	1200	1200	1200	1000
5PAN100	EP500/5	50	9,53	10,1	5	6,8	500	600	800	1800	1800	1600	1800	1600	1600	1800	1600	1400
3PAN200	EP480/3	48	4,96	5,8	3,6	4,2	500	600	800	1800	1600	1600	1800	1400	1200	1400	1200	1000
4PAN200	EP630/4	63	6,86	7,69	5	5	800	800	900	2200	1800	1800	1800	1600	1600	1800	1600	1600
5PAN200	EP800/5	80	8,32	9,62	6,4	6,4	800	900	1000	2200	2200	2200	2200	1800	1800	1800	1600	1600

*N.C.: No coating; W.C.: With coating.

Important: Please contact us for specifications other than those indicated above.

Application - Elevator Belts

Recommendation of minimum number of plies

Type	Bucket Projection (mm)					
PAN200	125	150	175	200	225	250
	3	3	4	4	5	5

Pulley Minimum Diameter

Mercurio	2PAN100	3PAN100	4PAN100	5PAN100	3PAN200	4PAN200	5PAN200
% Admissible Tension	Millimeters						
0 a 40%	250	300	350	400	350	400	450
41% a 60%	250	350	400	450	400	450	500
61% a 80%	300	400	450	500	450	500	600
81% a 100%	350	450	500	600	500	600	800

* Data subject to change without notice.