

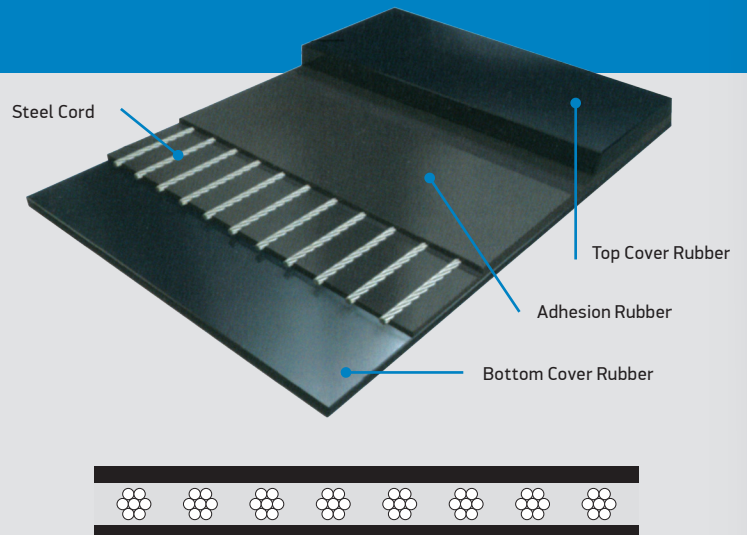


Rubber Conveyor Belts  
Steel Cords



# Steel Cord Conveyor Belts

- It is ideal for long-distance, large-capacity and high tensile strength lines.
- Low elongation allows short take-up strokes.
- Small diameter pulleys may be used.



## STRUCTURE

Steel cord conveyor belts are widely used in high strength, long distance and heavy load transportation of materials. Also used in high strength and short distance transportation at high speed.

These belts only need a very short take-up stroke distance. The belt body has a layer of longitudinal arranged steel cords as its skeleton and thus is resistant to flex fatigue. Therefore, drive pulley of smaller diameter can be used to make equipment smaller.

The steel cords are coated on their surface and high adhesion to steel rubber. Therefore, the rubber is tightly adhered to the steel cords and is shock resistant, improving the belt life.

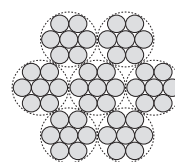
Steel cords are evenly arranged and have the same ten-

sion, making the belt balanced in running and aligned. Since the carcass has not transverse yarns, the belts has excellent properties to copy the idlers angle and loading more material to transport with higher angles.

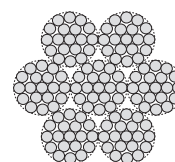
## CORD STRUCTURE

7×7 : Applied to low tension lines

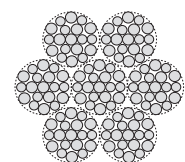
7×19 : Applied to high tension lines used.



7 x 7

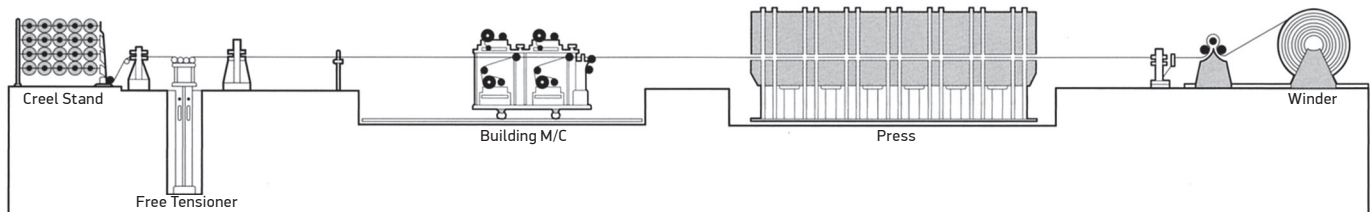


7 x 19



7 x 19 BX

## PRODUCTION PROCESS

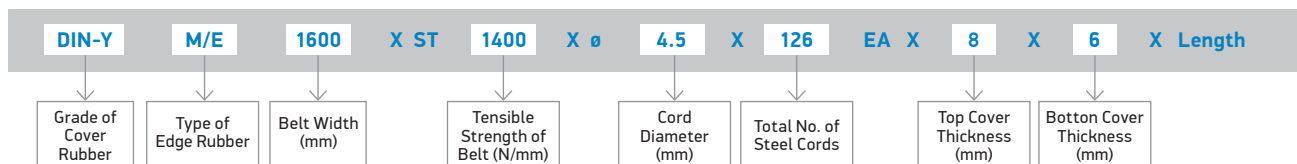


## SPECIFICATIONS

BELT TYPE	ST 500	ST 630	ST 800	ST 1000	ST 1250	ST 1400	ST 1600	ST 1800	ST 2000	ST 2250	ST 2500	ST 2800	ST 3150	ST 3500	ST 4000	ST 4500	ST 5000	ST 5400	
Tensile strength(N/mm)	500	630	800	1000	1250	1400	1600	1800	2000	2250	2500	2800	3150	3500	4000	4500	5000	5400	
Max. Diam. of Cord (mm)	2.8	3.0	3.5	4.0	4.5	4.5	5.0	5.0	6.0	6.3	7.2	7.6	8.1	8.6	9.2	10.1	10.6	11.5	
Min. Breaking Strength of Cord (KN/Cord)	5.6	7.0	8.9	13.2	16.5	18.5	21.1	23.7	26.4	29.6	41.7	46.7	52.5	58.4	66.7	80.4	89.3	103.9	
Weight of Cord (g/m)	30.7	34.7	47.8	64.0	79.8	79.8	97.3	97.3	137.0	155.0	196.0	221.0	253.0	280.0	316.0	385.0	414.0	496.0	
Pitch (mm)	10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	15.0	15.0	15.0	15.0	15.0	16.0	16.0	17.0	
Max. Working Strength of Belt (N/mm)	72	90	115	145	180	200	230	260	290	320	360	400	450	500	580	640	720	770	
Min. Thickness of Cover (mm)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.5	5.5	6.0	6.5	7.0	7.5	8.0	
Min. Pulley Diameter (mm)	600	600	650	750	850	950	1000	1200	1200	1400	1500	1550	1700	1800	1850	2000	2100	2400	
	500	500	500	550	700	750	800	950	950	1200	1200	1250	1350	1400	1400	1600	1700	1900	
	350	350	400	450	500	510	600	700	700	800	900	950	1000	1050	1050	1200	1250	1400	
BELT WITH (mm)		N° of steel cords																	
500	± 5.0	45	45	45	38	38	38	38	-	-	-	-	-	-	-	-	-	-	
650	± 6.5	60	60	60	50	50	50	50	50	50	50	40	40	40	40	40	37	37	35
750	± 7.5	70	70	70	59	59	59	59	59	59	59	47	47	47	47	47	44	44	41
800	± 8.0	76	76	76	63	63	63	63	63	63	63	50	50	50	50	50	47	47	44
900	± 9.0	85	85	85	71	71	71	71	71	71	71	57	57	57	57	57	53	53	50
1000	± 10.0	95	95	95	79	79	79	79	79	79	79	64	64	64	64	64	59	59	56
1050	± 10.5	98	98	98	82	82	82	82	82	82	82	66	66	66	66	66	62	62	58
1200	± 12.0	113	113	113	94	94	94	94	94	94	94	76	76	76	76	76	71	71	67
1400	± 14.0	133	133	133	111	111	111	111	111	111	111	89	89	89	89	89	83	83	78
1500	± 15.0	141	141	141	118	118	118	118	118	118	118	94	94	94	94	94	89	89	93
1600	± 16.0	151	151	151	126	126	126	126	126	126	126	101	101	101	101	101	95	95	89
1800	± 18.0	171	171	171	143	143	143	143	143	143	143	114	114	114	114	114	107	107	101
2000	± 20.0	-	-	-	159	159	159	159	159	159	159	128	128	128	128	128	120	120	113
2200	± 22.0	-	-	-	176	176	176	176	176	176	176	141	141	141	141	141	132	132	125

Note: Belt beyond the above specification can also be made by request.

## EXAMPLE OF IDENTIFICATION





**Headquarters:**

Lerchenweg 2  
63762 Grossostheim  
Germany

**Technical Dept.:**

info@beltco.com

**Sales Dept.:**

sales@beltco.com

 [fb.com/BeltCoConveyorBelts](https://www.facebook.com/BeltCoConveyorBelts)

 [linkedin.com/company/beltco](https://www.linkedin.com/company/beltco)

[www.beltco.com](http://www.beltco.com)

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