

## Steel Cord Conveyor Belts

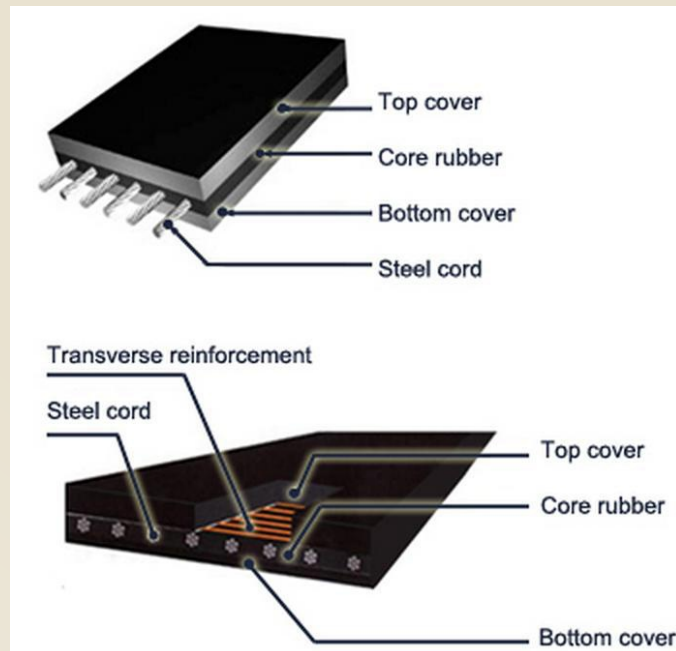
Steel cord conveyor belts ensure maximum conveying performance, even under grueling stress conditions. Their robust design guarantees high tensile strength at maximum conveying capacity as well as excellent impact resistance. They exhibit only slight elongation even over long conveyor distances.

### Benefits

- Belts reinforced with Steel Cords deliver extremely high strengths.
- Steel Cord Conveyor Belts have a long life expectancy.
- Large Centre Distances can be planned.
- Low Pulley Diameters can be used.
- Low Elongation, high impact resistance.
- Excellent Troughability.
- Long Splice Life and Strength.
- Easily Reconditioned and Rejuvenated.

### Applications :

- Coal
- Iron Ore
- Stone Quarry
- Chemical Fertilizers
- Cement
- Hot Materials



Steel Cord Belts can be repaired with Hot or Cold vulcanization and the damaged edges can be restored to original width by hot repair. Worn out covers can be replaced with fresh rubber, durable enough to completely re-juvenate the belt, delivering yet greater economy for the customer.

### Features

**High tensile strength:** The belts are suitable for large span, long distance transportation of materials.

**Low elongation in use:** The belts only need a very short take-up stroke distance.

**Small diameter of drive pulley:** The belt body has a layer of longitudinally 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.

**Superior adhesion:** Due to the excellent penetration of rubber between the individual cord – filaments.

**Even tension of steel cords:** Out of our advance techniques in manufacturing, the steel cords are evenly arranged and carry equal tension during the manufacturing process

**Good trough-ability:** As the belts body has no transverse reinforcement, it is easy to form a deep trough, so the belts can load more materials and prevent the materials from escaping

## Steel Cord Selection Chart

Belt	Cover gauge dDp in mm	Belt thickness	Area related belt mass with cover type m"G in kg/m2 with cover type
	Top side : Bottom side		dG in mm
St 400	4:04	10.5	13
St 500	4:04	10.5	14
St 630	6:04	13.5	17.5
St 800	6:04	13.5	18
St 1000	6:04	14	19.5
St 1250	6:04	14	21.5
St 1600	8:06	19.5	28
St 1800	8:06	19.5	28.5
St 2000	8:06	19.5	29
St 2500	10:08	25	38.5
St 3150	10:08	26	41
St 3500	10:08	26.5	42.5
St 4000	12 : 8	29	48
St 4500	12 : 8	29.5	50.5
St 5000	12:10	32	55
St 5400	12:10	32.5	56
St 6300	12:10	34	66
St 7500	12:10	35	69
St 8500	14:10	37.5	73

Belt	Cover gauge dDp in mm	Belt thickness	Area related belt mass m"G in kg/m2
	Top side : Bottom side		dG in mm
St 1000	10T : 6T	20	35
St 1250	10T : 6T	21	37.5
St 1600	10T : 6T	22	40.5
St 2000	10T : 8T	24	45
St 2500	10T : 8T	25	49
St 3150	10T : 8T	26	52
St 3500	10T : 8T	27	55
St 4000	12T : 8T	29	60
St 4500	12T : 8T	30	63
St 5000	12T : 8T	31	68
St 5400	12T : 8T	31	69.5
St 6300	12T : 10T	34	78
St 7500	14T : 10T	37	83
St 8500	14T : 12T	39.5	86