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# Steelcord Conveyor Belts

DYNAMIC's Steelcord belt provides superior impact resistance with selected number & size of cords. Insulation gum reduces internal friction, enhances adhesion. Top & bottom covers offer maximum steel cord protection. Cover compounds tailored to application demands, available in various rubber types and gauges.

- ▶ **Zinc galvanized steel cord:** DYNAMIC selects cords for flexibility, low elongation, and corrosion protection.
- ▶ **Insulation gum:** Superior bonding rubber ensures excellent adhesion and corrosion resistance.
- ▶ **Top cover breaker:** Prevents premature carcass damage from heavy impact loads.
- ▶ **Bottom cover breaker:** Prevents premature carcass damage from trapped material.
- ▶ **Outer rubber covers:** Advanced compounds protect steel cord against various environmental conditions.



Fig. 3.1. Steel Cord Splice Section

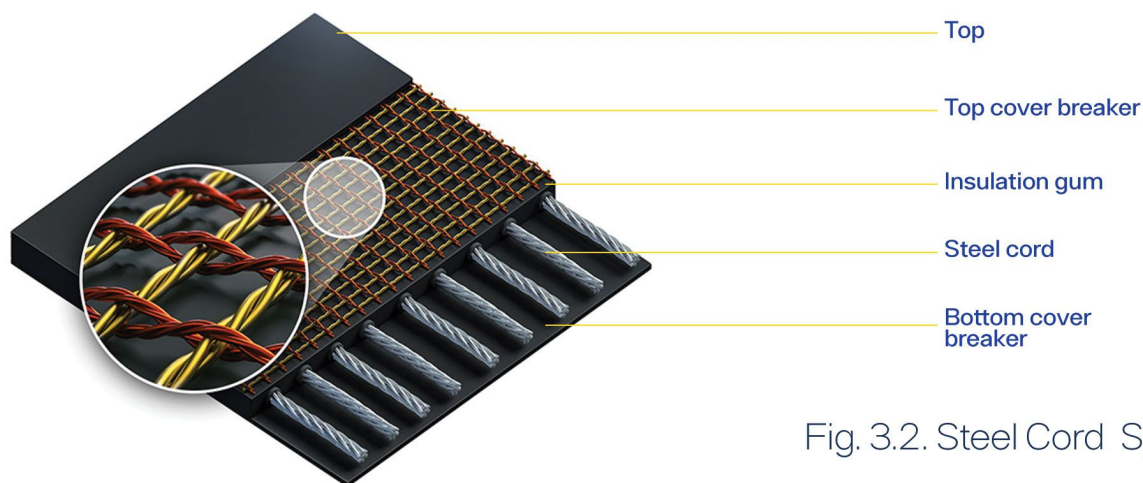


Fig. 3.2. Steel Cord Splice Section

| ST Rating | Recomm. Cord Dia. (mm) | Pitch (mm) ±1.5 | Belt Width 800 |     |      |      |      |      |      |      |      |      |      |      | A    | B    | C    |
|-----------|------------------------|-----------------|----------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           |                        |                 |                | 900 | 1000 | 1050 | 1200 | 1400 | 1500 | 1600 | 1800 | 2000 | 2200 | 2400 |      |      |      |
| 500       | 2.6                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 500  | 400  | 315  |
| 560       | 2.7                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 500  | 400  | 315  |
| 630       | 2.9                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 500  | 400  | 315  |
| 710       | 3                      | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 630  | 500  | 400  |
| 800       | 3.1                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 630  | 500  | 400  |
| 900       | 3.3                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 800  | 630  | 500  |
| 1000      | 3.5                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 197  | 800  | 630  | 500  |
| 1120      | 3.7                    | 12              | 64             | 71  | 81   | 84   | 97   | 114  | 122  | 131  | 147  | 164  | 181  | 164  | 800  | 630  | 500  |
| 1250      | 4.2                    | 14              | 55             | 61  | 69   | 72   | 84   | 98   | 104  | 112  | 127  | 141  | 155  | 169  | 800  | 630  | 500  |
| 1400      | 4.5                    | 14              | 55             | 61  | 69   | 72   | 84   | 98   | 104  | 112  | 127  | 141  | 155  | 169  | 800  | 630  | 500  |
| 1600      | 5                      | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1000 | 800  | 630  |
| 1800      | 5.4                    | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1000 | 800  | 630  |
| 2000      | 6                      | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1000 | 800  | 630  |
| 2250      | 6.2                    | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1000 | 800  | 630  |
| 2500      | 6.6                    | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1250 | 1000 | 800  |
| 2800      | 7                      | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1250 | 1000 | 800  |
| 3150      | 7.4                    | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1250 | 1000 | 800  |
| 3550      | 8                      | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1400 | 1250 | 1000 |
| 4000      | 8.6                    | 15              | 50             | 57  | 64   | 67   | 77   | 90   | 97   | 104  | 117  | 130  | 144  | 157  | 1400 | 1250 | 1000 |
| 4500      | 9.2                    | 16              | 46             | 52  | 59   | 65   | 71   | 84   | 90   | 96   | 109  | 121  | 134  | 146  | 1400 | 1250 | 1000 |
| 5000      | 10.4                   | 17              | 43             | 48  | 55   | 60   | 66   | 78   | 84   | 90   | 102  | 113  | 125  | 137  | 1400 | 1250 | 1000 |
| 5400      | 11                     | 17              | 43             | 48  | 55   | 60   | 66   | 78   | 84   | 90   | 102  | 113  | 125  | 137  | 1400 | 1250 | 1000 |
| 6300      | 11.6                   | 17              | 43             | 48  | 55   | 60   | 66   | 78   | 84   | 90   | 102  | 113  | 125  | 137  | 1400 | 1800 | 1600 |

# CONVEYER BELTING



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