

Off-The-Road Tire and Rubber Track Steel Cord



Imagine a 50-tonne truck relying on a 3-mm diameter steel cord

Improved durability

Stronger, larger tires

Stable tire performance

Mechanization and increasingly heavier equipment operating in demanding conditions require tires that are manufactured with highly reliable and well-designed steel cords.

Your off-the-road tires, whether small or giant, need to resist a lifetime of heavy wear in tough conditions. Not surprising, as your customers come from industries such as mining, construction and agriculture, where Off-The-Road (OTR) tires need to provide outstanding durability and safety. Such benefits are provided by our

fully customizable high-performance steel cord reinforcement. Choose from a range of options, all with consistent processing performance. Our technical experts are available to support you for the best steel cord solution that can meet your specific tire performance needs on a high variety of terrains with their particular challenges.



Durable reinforcement, even in the toughest conditions

Ideal for your specific application

You're in the business of making off-the-road tires and rubber tracks that are intended to resist all kinds of rough terrain. Whatever your application is, our range of steel cords can help. They are tailored to meet the specific needs of a wide range of industries such as mining, construction and agriculture, as well as for industrial and harbor equipment. You can use our steel cord in both radial and bias tires of all sizes, as well as for your carcass, working belt, protection belt and rubber tracks.

Our expertise

- Products with over 20,000 N breaking load for high-load/large applications
- Broad construction portfolio
- Deep manufacturing expertise

Let's find the optimal OTR solution together!

Bekaert has built deep manufacturing expertise for off-the-road steel cord. We have the capabilities to produce - and develop - a wide range of cords to meet and exceed the technical requirements to delight your end customers. Let us support you in identifying the steel reinforcement that enables what is most important to you:

- Improved puncture and cut resistance
- Higher durability and longer lifetime
- High breaking load and good load distribution
- Lower rolling resistance
- Diverse road handling requirements (traction, soil compaction, stability,...)

[bekaert.com/automotive](https://www.bekaert.com/automotive)

Bekaertstraat 2, 8550 Zwevegem, Belgium

Modifications reserved. All details describe our products in general form only. For ordering and design only use official specifications and documents. Unless otherwise indicated, all trademarks mentioned in this brochure are registered trademarks of NV Bekaert SA or its subsidiaries. © Bekaert 2023
Responsible editor: NV Bekaert SA - 03 2023



Off-The-Road Tire and Rubber Track Steel Cord

Durable reinforcement, even in the toughest conditions

General description

A wide range of brass-coated steel cords with up to over 20,000 N breaking load, offering consistent processing performance thanks to Bekaert's deep manufacturing expertise.

Application

Carcass, belt cords for off-the-road tires of all sizes, across a wide range of industries including mining, construction, agriculture and so on.

Construction /type	Tensile class	Lay length (±5%/mm)	Lay direction	Cord diameter (mm)	Linear density (g/m)	Min breaking force (N)
4x6x0.25HE	NT	5.7/9.5	SS	1.82±0.11	10.17±0.51	2485
7x7x0.22	NT	12.5/20	SZ	1.98±0.10	15.1±0.53	4650
7x7x0.25	HT	12.5/20	SZ	2.25±0.09	19.6±0.69	6350
7x7x0.30	NT	14/25	SZ	2.69±0.13	28.15±0.99	7550
7x7x0.22+0.15	HT	12.5/20/5	SZS	2.24±0.11	15.2±0.53	4650
7x7x0.22+0.15	HT	12.5/20/5	SZS	2.24±0.11	15.2±0.64	5120
7x7x0.25+0.15	HT	12.5/20/5	SZS	2.52±0.13	19.8±0.69	6350
7x7x0.30+0.15	HT	14/25/5	SZS	2.96±0.15	28.45±1	9365
7x(3+9x0.245)+0.20	HT	6.3/12.5/6.3/ 12.5/28/5	ZZSSZS	3.3±0.17	33.07±1.16	9000
7x53+9x0.30+0.20	HT	12.5/18/12.5/ 18/32/5	ZZSSZS	3.9±0.21	49.27±1.72	15200
7x19x0.20+0.15	HT	6.3/10/22/5	ZZSSZS	3.29±0.17	35.8±1.25	10000
7x(3+9+15x0.175)+0.20	HT	5/10/16/5/10/ 16/38/5	SSSZZZSZ	3.42±0.18	37.5±1.31	11470
7x(3+9+15x0.22)+0.20	HT	6.3/12.5/18/48/5	SSSZZZSZ	4.42±0.22	59.16±2.07	17955
7x(3+9+15x0.245)+0.245	HT	6.3/12.5/18/55/5	ZZZSZ	4.84±0.24	73.9±2.59	22385
3+9x0.25+8x7x0.22+0.175	HT	6.76/13.5/13.5/33.3/5	SSZZS	2.70±0.14	22.18±0.78	7170
3x0.20+6+12x0.35+6x19x0.35	HT	6.3/12/20/12/20/50	ZZZSSZ	5.4±0.27	107±5.4	28500

bekaert.com/automotive

Bekaertstraat 2, 8550 Zwevegem, Belgium

Modifications reserved. All details describe our products in general form only. For ordering and design only use official specifications and documents. Unless otherwise indicated, all trademarks mentioned in this brochure are registered trademarks of NV Bekaert SA or its subsidiaries. © Bekaert 2023 - Responsible editor: NV Bekaert SA - 03 2023