

Truck & Bus Radial Tire Steel Cord

Meet our long-distance runners



Superior durability for longer lifetime


Wide breaking load spectrum

Competitive total cost of ownership

Your truck and bus tires need to run and run, with no loss of performance or compromise on safety. That's why we continuously advance our new Truck & Bus Radial (TBR) tire steel cord portfolio.

Your truck and bus tires need to keep running in peak condition for a long lifetime. Our Truck & Bus Radial (TBR) tire steel cords are your ideal long-distance running partner! Ensure your customers' trucks and buses stay on the road and out of the workshop thanks to the superior durability and safety of our steel

cords. Whatever your load class and road condition, we can work with you to achieve reliable tire performance for light-, medium- and heavy-duty trucks and buses. Be it ultra-tensile, high elongation or high impact cords, we help you cover long distances safely.



Enabling trucks and buses to go further

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Unbeatable durability across all load classes

Your customers expect nothing but the highest levels of fatigue, adhesion and puncture resistance from their tires. Our TBR tire steel cord offers superior performance and reliable support in all load classes and road conditions.



Lower rolling resistance

A growing trend is for lower weight tires that achieve lower rolling resistance. Choose a fit-for-purpose construction that carries your load with less material.



Competitive total cost of ownership

Enable your customers to enjoy longer tire lifetime and increased fuel efficiency, ultimately contributing to a lower tire cost per kilometer for truck and bus fleets.

Sustainability at the heart of our innovation

In May 2022, Bekaert was awarded the Tire Manufacturing Innovation of the Year Award at TireTech, Hannover. Our BeCoFree solution allows for the removal of cobalt from the compound, which improves aged adhesion and tensile strength. This innovation demonstrates Bekaert's technical capabilities and commitment to sustainability.

We know that if you have a question regarding steel cord or innovation you need answers quickly. That's why we have local teams to provide fast response with highest proximity. It's just one of the reasons why many leading truck and bus tire manufacturers choose us as key tire development partner.

Innovative products and services

- Up to 3720 N breaking load for high-load tires
- New ST/UT belt and carcass options for TCO benefit
- Proven HI and HE protection / zero degree belts available
- 20 plants serving you globally



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Responsible editor: NV Bekaert SA - 03 2023

Truck & Bus Tire Cord

Enabling trucks and buses to go further



General description

A broad portfolio of NT to UT steel cords, incl. compact cord and open cord constructions, that offer rolling resistance reduction, TCO benefit and reliable durability for all load classes and road conditions.

Application

Carcass cord and belt cords for working, protection and zero degree belt applications in light-, medium- and heavy-duty truck and bus tires.

Construction /type	Tensile class	Main application	Lay length (±5%/mm)	Lay direction	Cord diameter (mm)	Linear density (g/m)	Min breaking force (N)
1+5x0.18	UT	TBR Carcass	11	S	0.54±0.027	1.20±0.06	540
1+5x0.235	UT	TBR Carcass	14	S	0.705±0.04	2.08±0.10	920
3x0.225+9x0.205 CC*	UT	TBR Carcass	12.5	S	0.87±0.05	3.38±0.17	1500
3+8x0.23	UT	TBR Carcass	16	S	0.94±0.05	3.66±0.17	1600
3+9+15x0.225 UT*	UT	TBR Carcass	6.3/12.5/18	ZZZ	1.38±0.07	8.63±0.43	3720
4x0.38 OC*	UT	TBR Belt	27	S	0.87±0.06	3.56±0.18	1545
1+5x0.30*	UT	TBR Belt	18	S	0.90±0.05	3.40±0.17	1450
6x0.335 OC*	UT	TBR Belt	24	S	0.99±0.07	4.18±0.21	1790
3+8x0.21	ST	TBR Carcass	7/14	SS	0.85±0.04	3.05±0.15	1310
3+8x0.235	ST	TBR Carcass	6.3/12.5	SS	0.98±0.04	3.80±0.38	1600
3x0.24+9x0.225 CC	ST	TBR Carcass	14	S	0.94±0.05	3.94±0.20	1700
0.17+5x0.215+10x0.235 CC*	ST	TBR Carcass	15	Z	1.07±0.05	5.08±0.25	2225
0.25+6+12x0.225	ST	TBR Carcass	7.5/16	ZZ	1.14±0.06	6.14±0.24	2580
3+9+15x0.20	ST	TBR Carcass	6.3/12.5/15	ZZZ	1.22±0.06	6.80±0.28	2800
3+9+15x0.225*	ST	TBR Carcass or Belt	6.3/12.5/18	ZZZ	1.38±0.07	8.63±0.43	3510
1+5x0.35*	ST	TBR Belt	20	S	1.05±0.05	4.56±0.34	1760
0.37+6x0.32*	ST	TBR Belt	16	S	1.02±0.05	4.71±0.24	1890
4+3x0.35	ST	TBR Belt	∞/18/18	-SS	1.17±0.07	5.36±0.27	2130
4+6x0.32	ST	TBR Belt	∞/18/18	-/S	1.27±0.08	6.39±0.32	2650
3+8x0.33 BETRU®*	ST	TBR Belt	10/18	SS	1.34±0.07	7.53±0.38	2980

* innovation products

Construction /type	Tensile class	Main application	Lay length (±5%mm)	Lay direction	Cord diameter (mm)	Linear density (g/m)	Min breaking force (N)
3×0.22+9×0.20 CC	HT	TBR Carcass	12.5	S	0.85±0.04	3.17±0.16	1200
3×0.24+9×0.225 CC	HT	TBR Carcass	14	S	0.94±0.05	3.94±0.20	1445
3+8×0.23	HT	TBR Carcass	5.5/13.8	SS	0.94±0.05	3.66±0.18	1340
0.22+6+12×0.20	HT	TBR Carcass	6.3/12.5	ZZ	1.02±0.05	4.86±0.19	1775
0.25+6×0.22+12×0.20	HT	TBR Carcass	6.3/16	ZZ	1.09±0.05	5.26±0.21	1975
0.25+6+12×0.225	HT	TBR Carcass	7.5/16	ZZ	1.14±0.06	6.14±0.24	2225
3+9×0.22+0.15	HT	TBR Carcass	6.3/12.5/3.5	SSZ	1.17±0.06	3.85±0.19	1360
3+9+15×0.225	HT	TBR Carcass or Belt	6.3/12.5/18	ZZZ	1.39±0.07	8.63±0.30	3120
0.365+6×0.35 BETRU®	HT	TBR Belt	18	S	1.08±0.05	5.42±0.27	1865
3×0.20+6×0.35	HT	TBR Belt	10/18	SS	1.13±0.06	5.34±0.27	1870
4+3×0.35	HT	TBR Belt	∞/18/18	SS	1.17±0.07	5.30±0.26	1927
3+8×0.33	HT	TBR Belt	10/18	SS	1.37±0.07	7.53±0.38	2685
3+8×0.35	HT	TBR Belt	10/20	SS	1.45±0.07	8.47±0.42	2975
3×4×0.24 HE	HT	TBR Protection belt or 0 degree belt	4.3/8	SS	1.28±0.08	4.65±0.23	1360
3×4×0.26 HE	HT	TBR Protection belt or 0 degree belt	4.2/8	SS	1.345±0.08	5.52±0.27	1500
3×4×0.22 HE	NT	TBR Protection belt	3/6.3	SS	1.14±0.07	3.96±0.20	945
5×0.35 HI	NT	TBR Protection belt	14	S	1.19±0.06	3.89±0.19	1130
5×0.38 HI	NT	TBR Protection belt	14	S	1.24±0.06	4.56±0.23	1185
3×7×0.20 HE	NT	TBR 0 degree belt	3.9/6.3	SS	1.34±0.08	5.77±0.23	1325
3+9+15×0.175+0.15	NT	TBR Carcass	5/10/16/3.5	SSZS	1.34±0.07	5.42±0.19	1670
3+9+15×0.22+0.15	NT	TBR Carcass or Belt	6.3/12.5/18/3.5	SSZS	1.62±0.08	8.50±0.30	2600

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