



Passenger Car Tire Steel Cord

# Take the road to increased driving pleasure

Lower rolling resistance

Improved handling and comfort

Competitive total cost of ownership

Tire manufacturers are constantly pushing the boundaries of their passenger car tires to improve road handling, durability as well as the sustainability of their tires throughout their lifetime.

As a tire manufacturer, your customers look to your products to reduce rolling resistance and improve handling. These are benefits that our thinner, lighter tire steel cords can offer. Check out our extensive range of high-performing passenger Car Radial (PCR) tire steel cord. They offer you fit-for-purpose solutions for ICE and EV

vehicles around the globe, from compact car to SUV. Moreover, we can collaborate with you to co-create more sustainable tires and shape the future of mobility... without compromise on driving pleasure.

You'll be in good company: one out of three tires around the world is reinforced with Bekaert steel cord.



## Maximum strength at minimum gauge

### Realize cutting-edge passenger car tires with our steel cord reinforcement



#### Lower rolling resistance

Produce tires that increase fuel efficiency or EV range and contribute to lower CO<sub>2</sub> emissions during their lifetime. Our higher tensile strength steel cord allows for reductions in diameter and weight and thereby rolling resistance.



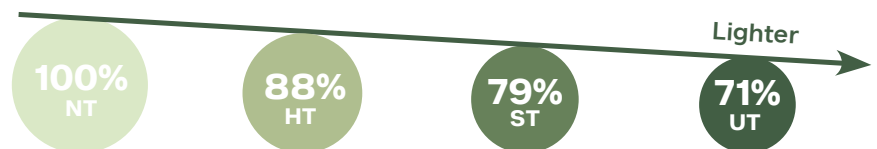
#### Improved handling and comfort

Are you looking for ways to enhance steering, handling and ride comfort? Whatever your tire design, we have a steel cord to match, enabling optimal ply stiffness which leads to these advantages.

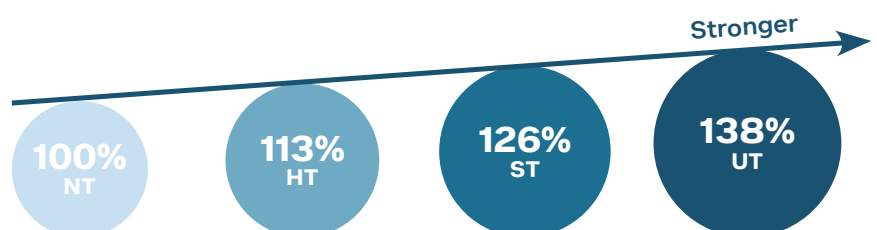


#### Competitive total cost of ownership

Your tires will realize significant lifecycle cost savings thanks to the superior durability, material savings and fuel efficiency/range improvements with the help of our tire steel cords.



Change of cross-section area with same filament breaking load (ref: diameter 0.22 mm, NT)



Change of filament breaking load with same filament diameter (ref: diameter 0.22 mm, NT)

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# Passenger Car Tire Cord

**Maximum strength at minimum gauge**

## General description

Portfolio of fit-for-purpose cords from NT to UT - incl. various open cord and preformed cord constructions - that offer durability, and push the boundaries of rolling resistance, TCO, and sustainability.

## Application

Belt cords for tires from compact to premium cars & SUV, be it ICE or electric vehicles.

Construction /type	Tensile class	Main application	Lay length (±5%/mm)	Lay direction	Cord diameter (mm)	Linear density (g/m)	Min breaking force (N)
2x0.25	UT	PCR Belt	14	S	0.50±0.03	0.77±0.04	340
4x0.21 OC	UT	PCR Belt	10	S	0.51±0.03	1.10±0.06	480
2x0.30	UT	PCR Belt	16	S	0.60±0.03	1.12±0.06	488
4x0.225 OC	UT	PCR Belt	12	S	0.54±0.04	1.27±0.07	560
3x0.38 OC	UT	PCR Belt	20	S	0.80±0.04	2.67±0.13	1080
2x0.30	ST	PCR Belt	14	S	0.60±0.03	1.12±0.06	441
3x0.25 BETRU®	ST	PCR Belt	12	S	0.54±0.03	1.17±0.06	488
3x0.28 BETRU®	ST	PCR Belt	14	S	0.60±0.03	1.46±0.07	618
3x0.30 BETRU®	ST	PCR Belt	16	S	0.65±0.03	1.68±0.08	670
2+2x0.30	ST	PCR Belt	∞/16/16	-SS	0.78±0.06	2.23±0.11	890
3x0.38 BETRU®	ST	PCR Belt	20	S	0.81±0.04	2.69±0.13	981
2+2x0.32	ST	PCR Belt	∞/16/16	-/S	0.83±0.07	2.57±0.13	1020
2+2x0.35	ST	PCR Belt	∞/18/18	-SS	0.94±0.08	3.06±0.15	1141
2x0.30	HT	PCR Belt	14	S	0.60±0.03	1.12±0.06	405
3x0.27 BETRU®	HT	PCR Belt	12.5	S	0.58±0.03	1.35±0.07	475
2+2x0.25	HT	PCR Belt	∞/14/14	-SS	0.65±0.05	1.55±0.08	560
3x0.30 BETRU®	HT	PCR Belt	16	S	0.65±0.03	1.68±0.08	610
2+4x0.22 BETRU®	HT	PCR Belt	∞/14	-S	0.68±0.03	1.81±0.09	670
2+2x0.35	HT	PCR Belt	∞/16/16	-SS	0.94±0.08	3.03±0.15	980

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