

Tire Bead Wire

Let's find the solution together



superior performance

Increased safety

Reduced total cost of ownership

Choosing the right tire bead wire is crucial and involves close cooperation between the tire manufacturer and the wire producer.

Selecting the optimal bead wire for a range of tires requires a precise balancing of different features to find the best and safest alternative. You don't have to face this challenge alone: our experts will be happy to meet you face-to-face to discuss the best fit for your tires. That's why our tire bead wire specialists are located all over the world. Talk to them and

together you can choose a bead wire that minimizes potential process disturbances and enables a smooth production process. Together, we can help you solve your bead wire challenges and be a reliable partner in your development plans.



Superior performance through advanced wire drawing and coating technology

A variety of high-quality products and packings

You need stable bead wire quality every day to guarantee the safe use of every tire – and that's what you get from Bekaert. Material is produced according to ISO 16650. Standard diameters are from 0.89 mm to 3.0 mm. Bronze (high/low tin) and brass coatings are available upon request, and tensile strength can be customized. If you want higher mechanical properties, these can be provided upon request and prior qualification. Standard materials are supplied with normal elongation, and low elongation is also possible. A variety of spools such as BS900 and BS900STD are available; spoolless solutions can be arranged based on your need.

Broad portfolio

- 0.89 to 3.00 mm
- 1,200 to 11,000 N breaking load
- Brass and Bronze coating available
- Different spools and spoolless options

Storage conditions

Enjoy peace of mind that your tire bead wire is in the best possible condition when you come to use it. The packing units can be stored for six months inside a warehouse where the combination of temperature and humidity

does not lead to condensation. It is recommended to condition the package of wire at ambient temperature before it is opened. All packages are provided with desiccant.

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Bead wire

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General description

Bead wire from 0.89 to 3.00 mm diameter in NT and HT and breaking load of up to 11,000 N to ensure tire safety across a wide field of application. Available with brass and bronze coating and different spool / spoolless options.

Application

Bead wire bundles for passenger car, truck and bus tire, as well as off-the-road and motor cycle tires.

Diameter (±0.020mm)	Tensile class	Min breaking force (N)	Minimum elongation at break (%)	Minimum number of torsion (Nt)	Depends on the test length use (mm)
0.890	NT	1200	5	50	L=200d
0.890	HT	1350	5	50	L=200d
0.965	NT	1350	5	50	L=200d
0.965	HT	1530	5	25	L=200d
1.200	NT	1960	5	20	L=100d
1.200	HT	2260	5	25	L=100d
1.295	HT	2800	5	20	L=100d
1.550	NT	3240	5	20	L=100d
1.550	HT	3900	5	20	L=100d
1.600	HT	4150	5	20	L=100d
1.650	NT	3825	5	20	L=100d
1.830	NT	4750	5	20	L=100d
1.830	HT	5440	5	20	L=100d
2.000	HT	5800	5	15	L=100d
2.200	HT	7450	5	20	L=100d
3.000	NT	11000	5	20	L=100d

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