




Over the last forty years engineering company Birsta AB has used its innovative force technology to become a market leader in road safety. By listening to the market and adapt its products to customer needs Birsta has managed to develop products that fit the bill both in specification and cost.

Today Birsta employs around 80 staff and has annual sales of approximately SEK 250 million. The company has been part of the Saferoad group since 2007 helping Saferoad to become Europe's largest road safety group with a turnover of around SEK 3 billion in 15 countries.

Birsta was formed in 1961 by brothers Erik and Nils Larsson and they laid the basis for the way the company still work today delivering good quality products delivered on time. Choosing Birsta as a supplier is a guarantee of good value for money and all their products are based on ISO 9002 manufacturing standards.

The company has over 40 years experience in manufacturing but is just as interested in the future as in its proud past.





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Birsta 1P

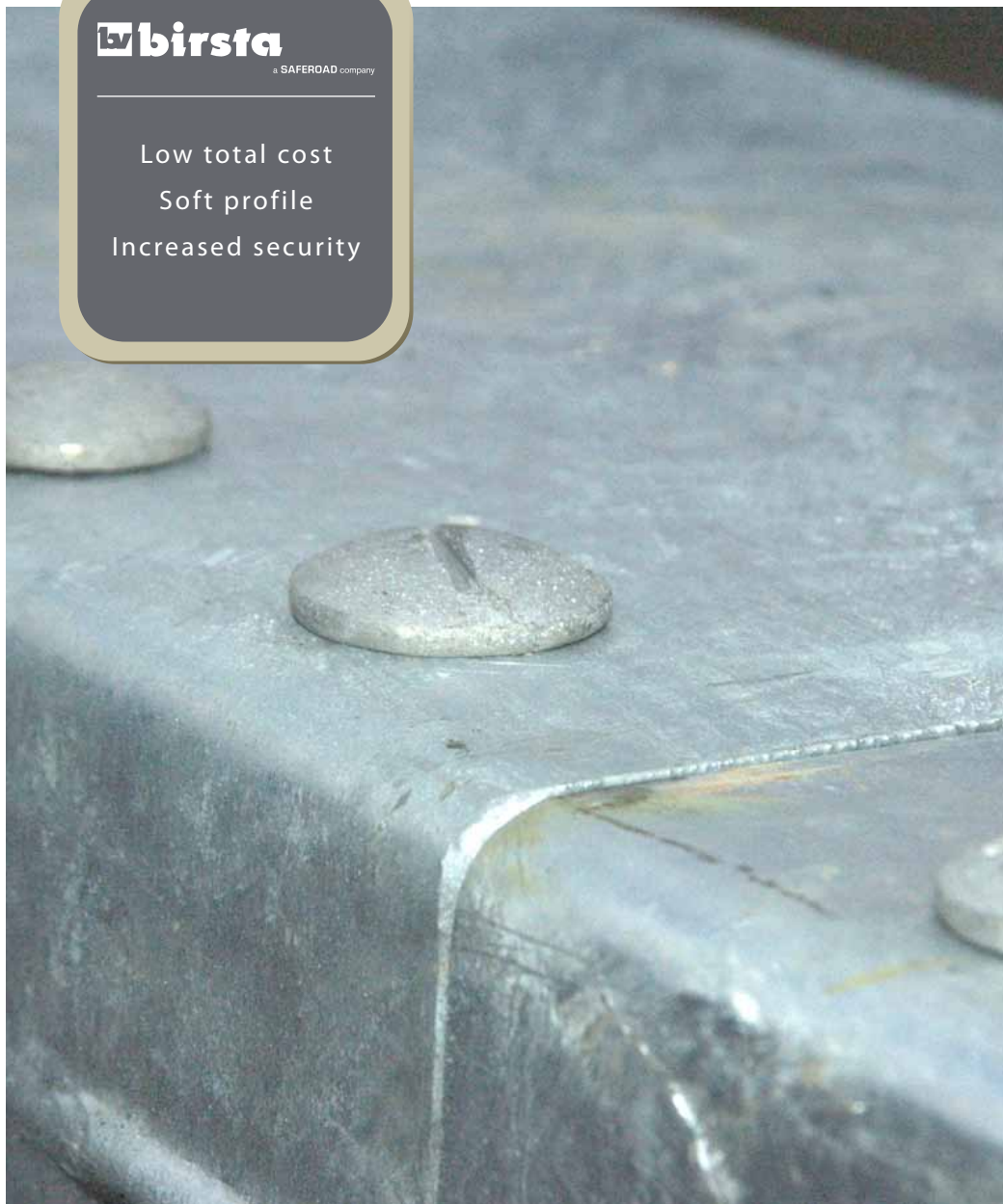
Birsta 1P is the latest in their long line of proprietary products. This new guardrail is a result of world demand for increased road safety and damage reduction. It essentially designed to replace wire rope fences. The smooth profile ensures minimum damage to both vehicle and guardrail. Tests have shown that the steel profile barrier remains in position after the crash and that the profile recovers its form without being bent or dented. The Birsta 1P design also reduces the cost of repair and the disruption caused by road closures.

Product	Containment level	Working width	Pole distance	Severity level
1P	N2	W4	4 meter	A
1P	H1	W5	4 meter	A

 **birsta**

a SAFEROAD company

Low total cost
Soft profile
Increased security





NEWS
2009

Birsta K/Bridge K

Birsta K (kohlswa) is the optimal product, where survival rates and impact resistance are critical. The six millimeters thick steel railing can withstand light hits and stands up well against denting. Birsta K can be used in most contexts, but is particularly suitable for car parks, industrial areas and in areas with high levels of snow. The low profile height makes the railing plough-friendly as snow can be pushed through it. The product is available both as a road and bridge railing.

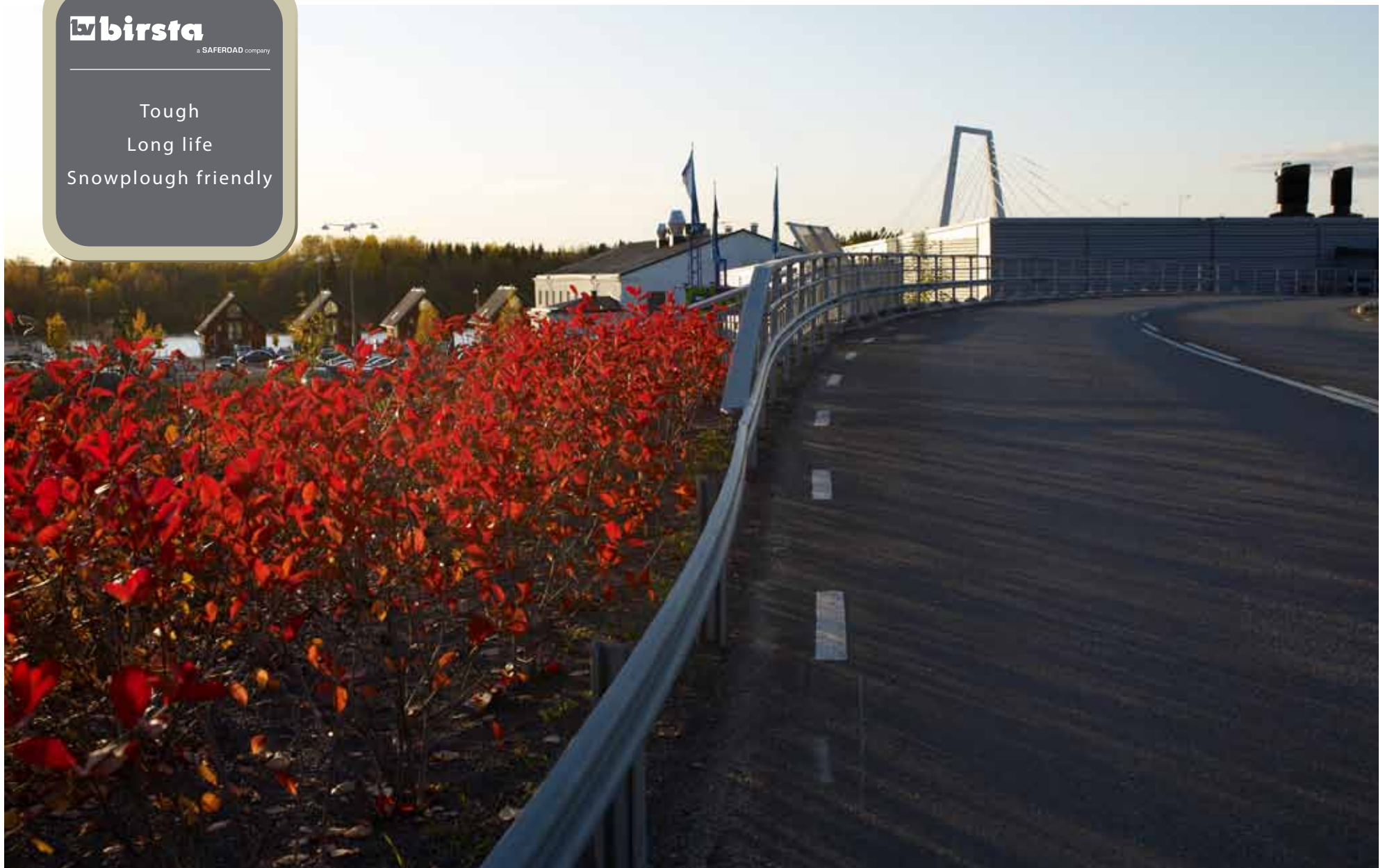


Product	Containment level	Working width	Pole distance	Severity level
K	N2	W5	2 meter	A
K	N2	W6	4 meter	A
Bridge K	H2	W3	1,8 meter	B

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Tough
Long life
Snowplough friendly





Birsta W2

Birsta developed the European standard W2 profile to offer the market a competitive low-cost alternative guard rail product. The Birsta design combines high-strength steel with low width and reduced weight. W2's innovative features, lower material and reduced installation costs make it the cheapest road railing on the market today.

Product	Containment level	Working width	Pole distance	Severity level
W2	N2	W4	4 meter	A
W2	N2	W4	2 meter*	A

* Calculated



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Discount Options
Low weight
High strength steel

Birsta W3/Bridge W

W3 is produced under an open standard and is the most widely deployed guardrail in the world. The traditional 3-millimeter profile is a popular all-round-railing and has long been considered to be the best choice for road safety. W-profile, through its simple structure, has also become the norm for bridge parapets. The railing is the low cost alternative and is suitable for both baseplate and casting.



Product	Containment level	Working width	Pole distance	Severity level
W3	N2	W4	2 meter	A
W3	N2	W5	4 meter	A

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Standard Sensors
Easy / flexible
Allround-railing





Birsta 2P

The 2P pipe railing is built as a standard profile to keep the price low. The design focusses on aesthetics so Birsta 2P is mostly used where the demands for attractive and see-through product are high, for example close to particular traffic sites, rivers or cultural sites. Because of its closed profile and brilliant mount Birsta 2P is the simplest and quickest pipe railing to install. The pole fastening bolt is already fitted on delivery thus reducing assembly time.

Product	Containment level	Working width	Pole distance	Severity level
2P	N2	W4	3 meter	A
2P	N2	W3	1,5 meter*	A

* Calculated



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Easily mounted
Brilliant attachment
Aesthetic design

Birsta Bridge 3P

3P is a round form bridge parapet based on standard profiles to keep down cost. The parapets is mostly used where there is a demand for an attractive and see-through product such as at traffic sites, river banks or cultural sites. The parapets is a screw design which has been adapted to be mounted on bridges with standard edge beam. Birsta 3P is designed to be mounted on sloping bridges without additional customization. The product is sold a maximum of six meter lengths and can be fitted by two operatives



Product	Containment level	Working width	Pole distance	Severity level
Bridge 3P	H2	W3	2,0 meter	B
Bridge 3P	H2	W3	1,8 meter*	B

* Calculated

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Railing Design
Adaptation Bart
Easily mounted





Birsta Bridge BV

Birsta Bridge BV is a bridge railing, which has been designed and developed by Banverket in Sweden. This railing is used on bridges and railway embankments. It is designed and tailored to specific environmental needs and Birsta offers the product in several different designs.



Product	Containment level	Working width	Pole distance	Severity level
Bridge BV	Tested from item to item			

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Tailored
Environment Specific
Inexpensive





Birsta High Capacity

This type of railing is specifically designed to withstand up to 38 tonne vehicle weight hits. It has obvious value where there is a need to protect sensitive sites or offer additional protection on difficult curves. The design is sufficiently pliable to facilitate traffic movement. The product can be used on both roads and bridges.

Product	Containment level	Working width	Pole distance	Severity level
High Capacity	H1- H4b	W4-W8	-	-



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Extremely strong
For road and bridge
Flexible and forgiving

Birsta Modul

Birsta modular rails are manufactured in three standard lengths which can be combined to form the exact length required. The rails are manufactured in two different heights for three different mounting options. Kick plates (height 130 mm) are available for all module lengths. There is also a child safe railing system that is designed for use at bus stops. Customized and painted rails are also offered if required.



Product	Containment level	Working width	Pole distance	Severity level
Modul	Need not be tested			

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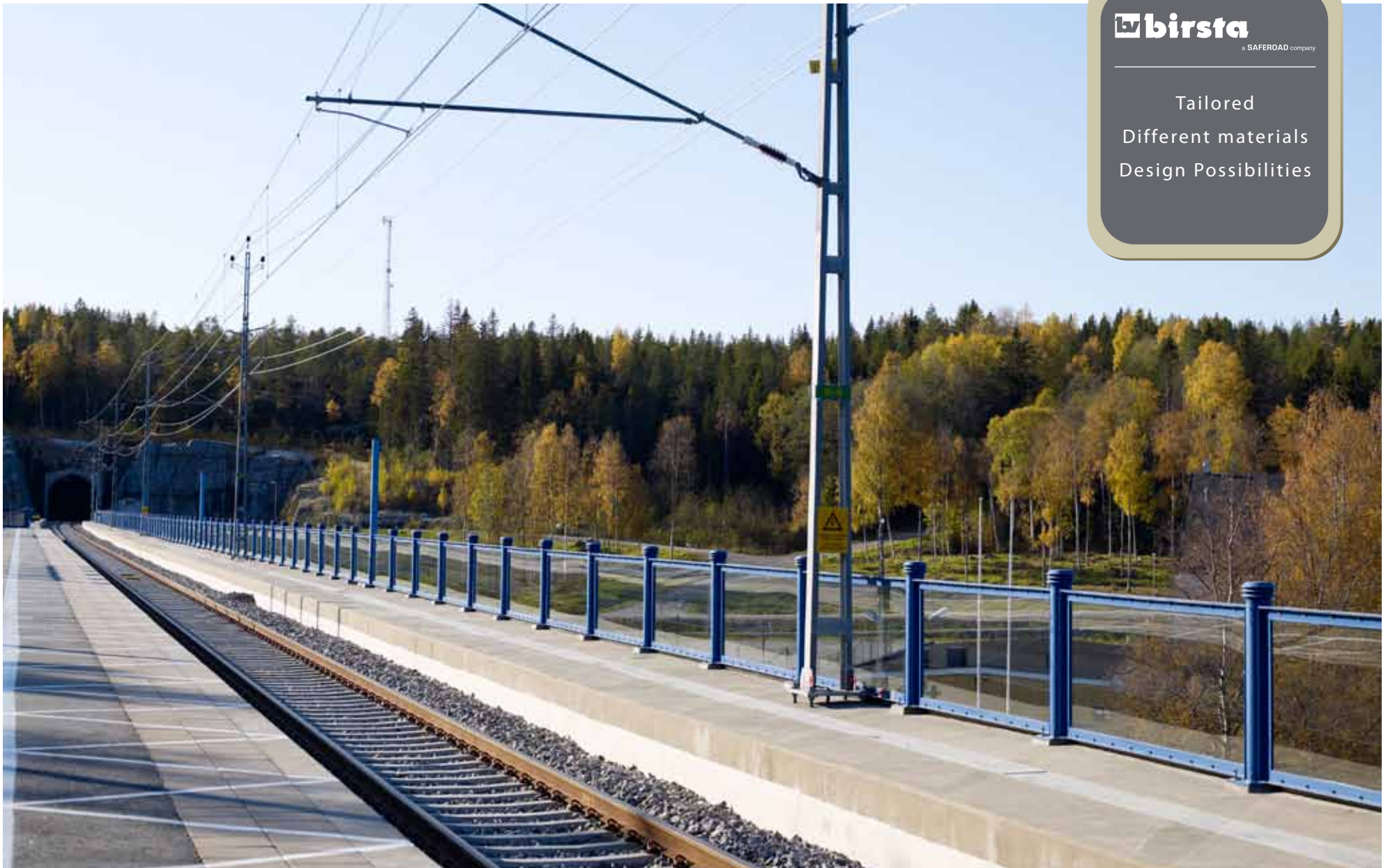
Adaptable
Child safe
Painted





Birsta Noise Barrier

Birsta offers individually customized screens for noise, wind and air pressure reduction on road or rail schemes. In addition to improved noise reduction they also offer large screen space design capabilities for text, graphics and lighting. The screens are manufactured in aluminum, plexiglass, wood or other suitable material according to the client's demands.



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Tailored
Different materials
Design Possibilities

