



Art and Street Furniture

Pedestrian and Cycling Bridge

Location	Sölvesborg, Sweden
Environment	Coastal
Bridge designer	Ronny Södergren, Sölvesborg, Sweden
Owner/developer	Municipality of Sölvesborg
Fabricator	Stål & Rörmontage, Sölvesborg, Sweden
Stainless steel grade	LDX 2101 (EN 1.4162)
Product type	Plate
Dimensions	5 mm - 30 mm
Surface Finish	1D
Producer or supplier	Outokumpu
Source of information	Outokumpu

When designing a pedestrian and cycling bridge between the city centre and a newly developed residential district, the town of Sölvesborg in Sweden looked for a material that would last for an extended lifetime with minimal maintenance. Duplex stainless steel provided the solution. As the salinity of the nearby Baltic Sea is lower than that of, for instance, the North Sea, lean duplex stainless steel was adequate technically and economically. It is no longer necessary to provide for regular re-painting, which saves considerable maintenance costs during the life time of the bridge. The nearby bird conservation area will also benefit because the noise and pollution associated with the sand blasting of conventional steel structures will be avoided. At 756 m, this is currently the longest pedestrian bridge in Sweden. The extra weight saving which is made possibly by the high-strength properties of duplex stainless steel was an additional advantage in the design of the attractive and uniquely shaped arch.

This iconic bridge is one of the subjects of a new series of Postage Stamps, which have been issued in Sweden. Picture of the stamp is courtesy of PostNord Frimärken.

