

SSAB Domex 500LA

General Product Description

SSAB Domex 500LA is a high-strength, low-alloy steel intended for general presswork, bending and forming. SSAB Domex 500LA offers consistent properties that assist modern, rapid production methods.

Dimension Range

SSAB Domex 500LA is available in thicknesses of 0.50-3.00 mm and widths up to 1500 mm as coils, slit coils and as cut to length in lengths up to 8.5 meters.

Mechanical Properties

Yield strength R_{eL} (MPa)	Tensile strength R_m (MPa)	Elongation A_{80} ¹⁾ (min %)	Min. inner bending radius for a 90° bend (x t) ²⁾
500 - 620	570 - 710	14	0.5

The mechanical properties are tested in the transversal direction.
Bending properties for both longitudinal and transversal direction.

¹⁾ When the thickness is less than or equal to 0.7 mm, the minimum value for elongation is reduced by 2 units.

²⁾ t = Sheet thickness.

Chemical Composition (ladle analysis)

C (max %)	Si (max %)	Mn (max %)	P (max %)	S (max %)	Al (min %)	Nb+Ti (max %)
0.10	0.60	1.80	0.030	0.025	0.015	0.10

Tolerances

SSAB Domex LA products are supplied with thickness, width and length tolerances in accordance to EN 10131. Narrower tolerances are available upon request.

Delivery Conditions

Cold Rolled.

Fabrication and Other Recommendations

For information concerning fabrication, see SSAB's brochures on www.ssab.com or consult Tech Support.

Appropriate health and safety precautions must be taken when bending, welding, cutting, grinding or otherwise working on the products.

Contact Information

www.ssab.com/contact