

SSAB Domex 280LA

General Product Description

SSAB Domex® 280LA is a high-strength, low-alloy steel intended for general presswork, bending and forming. SSAB Domex 280LA offers consistent properties that assist modern, rapid production methods.

SSAB Domex 280LA is available in thicknesses of 0.40-3.00 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 Bending Radius 90° Bend ^{1) 2)} (Ri/t)
280- 350	370- 450	26	Oxt

The mechanical properties are valid in the transverse direction of rolling.

¹⁾ t = Sheet thickness

²⁾ For rolling direction and transverse direction

Chemical Composition (Ladle analysis)

C (max %)	Si (max %)	Mn (max %)	P (max %)	S (max %)	Al (min %)	Nb + Ti (max %)
0.10	0.040	0.90	0.030	0.025	0.015	0.10

Tolerances

Thickness and width

SSAB Domex 280LA is supplied with thickness and width tolerances in accordance to EN 10131. More narrow thickness tolerances according to the SSAB standard are available on request.

Length

Cut to length material is supplied with length tolerances in accordance to EN 10131.

Delivery Conditions

Cold rolled.

Fabrication and Other Recommendations

For information concerning welding and fabrication, see SSAB's brochures on www.ssab.com or consult Tech Support, techsupport@ssab.com. Appropriate health and safety precautions must be taken when welding, cutting, grinding or otherwise working on the product.

Contact Information

www.ssab.com/contact