

SSAB Laser® DC03

General Product Description

SSAB Laser® DC03 is an advanced structural cold forming steel for laser cutting. The SSAB guarantee for flatness, both before and after laser cutting, is ≤ 3 mm/m deviation.

SSAB Laser® DC03 meets and exceeds the requirements of DC03 in EN 10 130. Dual certification is available upon request.

Dimensions

Delivery form	Thickness (mm)	Width (mm)	Length (mm)
Cold rolled sheet	0.80- 3.00	730- 1540	1200- 8500

Mechanical Properties

Delivery form	Yield strength R_{eh} (MPa)	Tensile strength R_m (MPa)	Elongation (min %)
Cold rolled sheet	140- 240	270- 370	34

The mechanical properties are tested in the transverse direction.

Materials testing

SSAB Laser® DC03 is delivered with certificate according to EN 10204-3.1

Chemical Composition (Ladle analysis)

C (max %)	Si (max %)	Mn (max %)	P (max %)	S (max %)	Al (min %)	Nb+Ti (max %)
0.080	0.040	0.40	0.030	0.030	0.015	0.040

Tolerances

Thickness

SSAB Laser® DC03 is delivered with thickness tolerances corresponding to 1/2 EN 10 131:2006.

Width

SSAB Laser® DC03 is delivered with width tolerances in accordance to EN 10 131:2006. Tighter tolerances are available upon request.

Length

SSAB Laser® DC03 is delivered with length tolerances in accordance to EN 10 131:2006. Tighter tolerances are available upon request.

Flatness

≤ 3 mm/m flatness deviation for both delivery condition and laser cut parts.

Delivery Conditions

SSAB Laser® DC03 is delivered in cold rolled condition as sheets.

Fabrication and Other Recommendations

SSAB Laser® DC03 offers ideal laser cutting, cold forming and welding performance.

For information concerning fabrication, please visit ssab.com, consult your local contact person or contact SSAB's Tech Support organization by e-mail at techsupport@ssab.com.

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

Contact Information

www.ssab.com/contact