



SSAB LASER DC03 PLUS

General Product Description

The cold rolled steel ideal for efficient laser cutting

SSAB Laser DC03 Plus is a cold rolled steel that is ideal for efficient laser cutting and offers good cold forming and deep drawing performance.

The well-balanced and consistent chemical composition, in combination with high flatness, a smooth surface and narrow thickness tolerance, enable a faster laser cutting speed and consistent forming properties. The high formability makes it possible to do complex forming with high precision.

The dead-flat technology enables SSAB to guarantee a unique flatness tolerance of $\leq 3\text{mm/m}$ after laser cutting.

Dimension Range

SSAB Laser DC03 Plus available in thickness of 0.80- 3.00 mm and widths between 1000- 1500 mm as cut to length in lengths up to 8500 mm.

Mechanical Properties

Yield strength R_{eh} (MPa)	Tensile strength R_m (MPa)	Elongation (min %)
110- 240	270- 370	34

The mechanical properties are tested in the transverse direction.

Materials testing

SSAB Laser DC03 Plus 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

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Tolerances

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

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

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

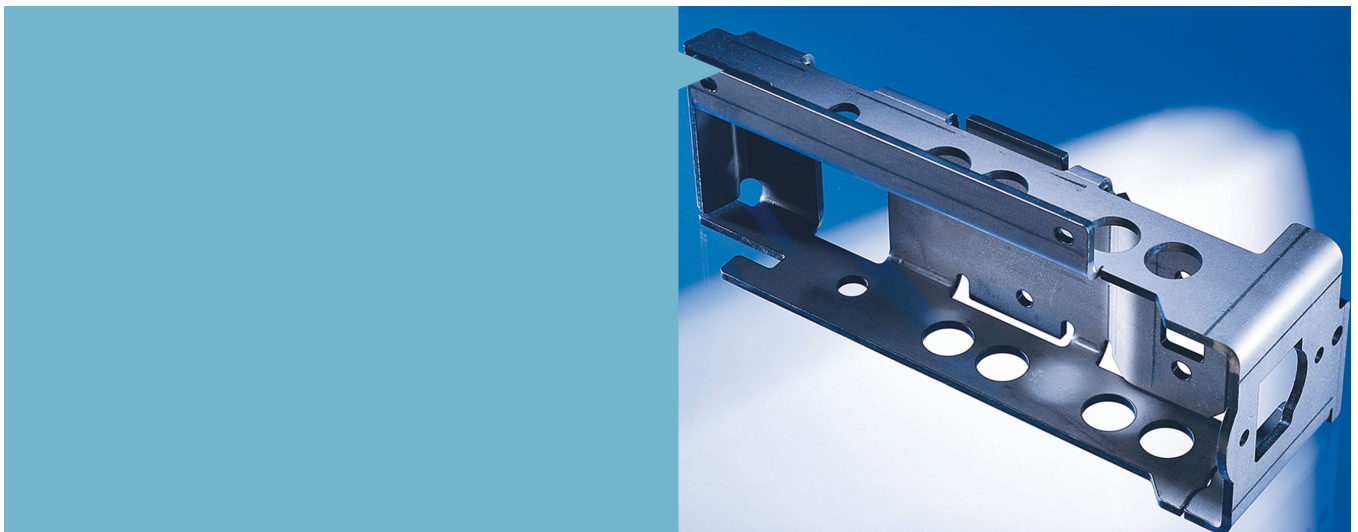
Flatness: SSAB Laser DC03 Plus is delivered with a guarantee of flatness of ≤ 3 mm/m after laser cutting, in addition to ≤ 3 mm/m when delivered.

Delivery Conditions

SSAB Laser DC03 Plus is delivered in cold rolled condition as cut to length sheets.

Fabrication and Other Recommendations

For information concerning 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 bending, welding, cutting, grinding or otherwise working on the product.



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