



DOCOL 1500 MZE

GENERAL PRODUCT DESCRIPTION

Docol 1500 MZE

Docol 1500 MZE is an electrogalvanized martensitic steel for lightweight design and improved crashworthiness in the automotive industry. Trials are ongoing.

Docol is one of the strongest cold-rolled, advanced high-strength steels on the market and has become the material of choice for automotive applications such as side impact beams, bumpers and structural components.

Available dimensions

Total Thickness Range: 0.8- 1.8 mm

Max Width: 1500 mm

MECHANICAL PROPERTIES

Yield strength $R_{p0.2}$ (MPa)	Tensile strength R_m (min MPa)	Elongation A_{80} (min %)	Min bending radius 90° ^{1) 2)} (Ri/t)
1200- 1500	1500	3	4.0

The mechanical properties are tested in the longitudinal direction.

¹⁾ t = Sheet thickness

²⁾ For rolling direction and transverse direction.

CHEMICAL COMPOSITION

C (max %)	Si (max %)	Mn (max %)	P (max %)	S (max %)	Al (min %)	Nb + Ti (max %)
0.30	0.40	1.0	0.020	0.010	0.015	0.10

TOLERANCES

Thickness and width

Docol 1500 MZE 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.

DOCOL 1500 MZE

DELIVERY CONDITIONS

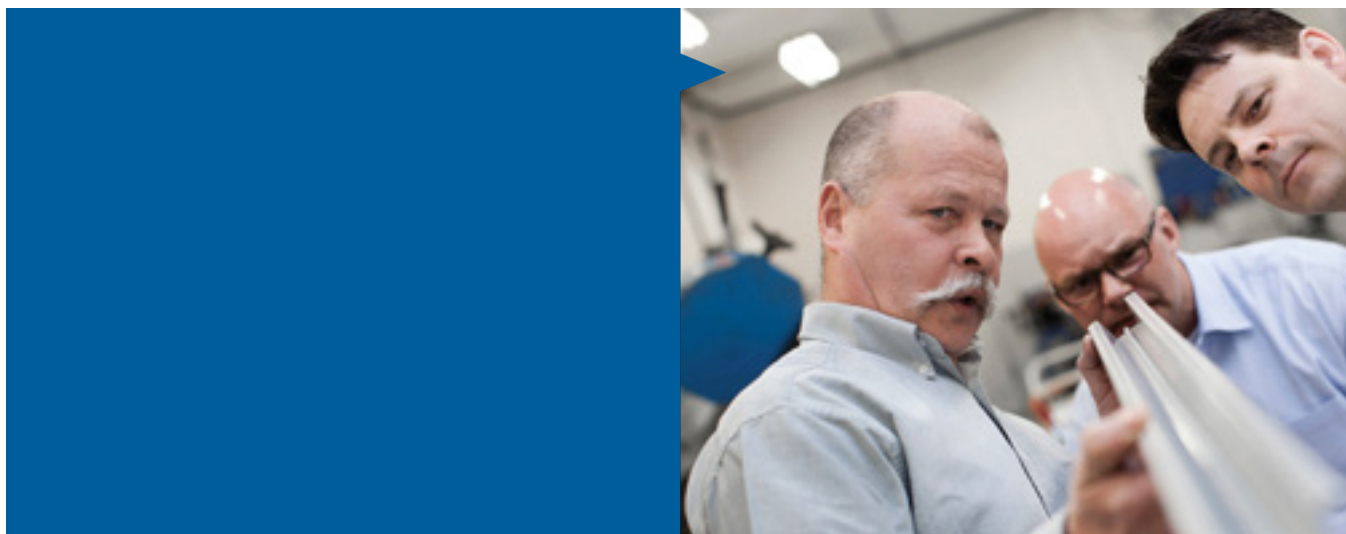
Cold rolled.

FABRICATION AND OTHER RECOMMENDATIONS

Docol 1500 MZE is not sensitive to hydrogen embrittlement in the delivery condition. On request, each coil can be tested according to SEP 1970.

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.



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