

S550GD

Structural steels

Material no.	1.0531
according to	DIN EN 10326/ DIN EN 10143

Mechanical properties (transverse)

Yield strength $R_e^{1)}$
≥ 550 MPa

Available dimensions

Thickness in mm	Width in mm
2,00 – 3,00	900 – 1.500

Surface finish

Thickness ranges

MA	2,00 – 3,00
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Tensile strength R_m
≥ 560 MPa

The samples for the tensile test are taken at right angles to rolling direction unless the product width is opposed to this.

Chemical composition

(in percent by weight)

	min.	max.
C		0,200
Si		0,600
Mn		1,700
P		0,100
S		0,045

1) $R_{eH}/R_{p0,2}$