



## S550GD

Structural Steels

<b>Material no.</b>	1.0531
according to	DIN EN 10346/ DIN EN 10143

### Surface finish

Thickness ranges

MA, MB	2.00 – 3.50
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### Mechanical properties (longitudinal)

<b>Yield strength <math>R_e^{2)}</math> in MPa</b>
≥ 550

<b>Tensile strength <math>R_m</math> in MPa</b>
≥ 560

2)  $R_{eH}/R_{p0.2}$

### Available dimensions

Thickness in mm	Width in mm
2.00 – 3.00	900 – 1,485
2.41 – 3.50	900 – 1,485 <sup>3)</sup>

3) By agreement

### Chemical composition<sup>1)</sup>

(in percent by weight)

	min. in %	max. in %
C		0.20
Si		0.60
Mn		1.70
P		0.10
S		0.045

1) Heat analysis

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