

# S215G

## Structural steel

Material no.	<b>1.0116 G</b>
according to	<b>DIN 1623 (May 2009)</b>

### Chemical composition

(in percent by weight)

	min.	max.
C		0,18
P		0,030
S		0,025

### Mechanical properties

<b>Yield strength <math>R_{eL}/R_{p0,2}</math></b>
≥ 215 MPa
<b>Tensile strength <math>R_m</math></b>
360–510 MPa
<b>Total elongation <math>A_{80}</math></b>
≥ 20 %

### Available dimensions

Thickness in mm	Width in mm
0,50 – 0,62	900 – 1.300
0,63 – 0,90	900 – 1.500
0,91 – 1,12	900 – 1.600
1,13 – 1,35	900 – 1.700
1,36 – 3,00	900 – 1.850

### Surface finish

Structural steels are only available in the surface finish A.

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