



## S215G+ZE

Structural steel

Material no.	1.0116 G
according to	DIN 1623 (May 2009)

### Chemical composition

(in percent by weight)

	min.	max.
C		0.18%
P		0.03%
S		0.025%

### Mechanical properties (transverse)

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

### Available dimensions

Thickness in mm	Width in mm
0.50 – 0.59	900 – 1,300
0.60 – 0.69	900 – 1,700
0.70 – 1.59	900 – 1,850
1.60 – 1.99	900 – 1,700
2.00 – 2.49	900 – 1,600
2.50 – 3.00	900 – 1,500

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

### Surface finish

Structural steels can only be supplied with surface finish A.

