



S215G

Structural steel

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

Chemical composition

(in percent by weight)

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

Mechanical properties

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

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

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 – 3.49	900 – 1,600
2.50 – 3.00	900 – 1,500

Surface finish

Structural steels are only available in the surface finish A.

