



S350GD

Structural Steels

Material no.	1.0529
according to	DIN EN 10346/ DIN EN 10143

Surface finish

Thickness ranges

NA	0.50 – 3.00
MA	0.50 – 3.00
MB	0.50 – 3.00

Chemical composition¹⁾

(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

Mechanical properties (longitudinal)

Yield strength $R_e^{2)}$ in MPa
≥ 350
Tensile strength R_m in MPa
$\geq 420 (\leq 560^{3)})$
Total elongation $A_{80}^{4)}$ in %
≥ 16

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

3) Guide value

4) Thickness ≤ 0.70 mm minus two units.

Available dimensions

Thickness in mm	Width in mm
0.50 – 0.70	900 – 1,450
0.71 – 0.87	900 – 1,500
0.88 – 1.23	900 – 1,550
1.24 – 1.95	900 – 1,730
1.96 – 2.00	900 – 1,800
2.01 – 3.00	900 – 1,600

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