



DX51D+Z

Mild, galvanised steel grades for cold forming

Material no.	1.0917
according to	DIN EN 10346/ DIN EN 10143

Surface finish

Thickness ranges

NA	0.40 – 4.00
MA	0.40 – 4.00
MB	0.40 – 4.00
MC ¹⁾	0.50 – 2.00

1) By agreement

Mechanical properties (transverse)

Tensile strength R_m in MPa
270 – 500
Total elongation A_{80}³⁾ in %
≥22

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

3) Thickness ≥ 0.71 mm. Thickness 0.50 mm < t ≤ 0.70 mm minus two units. Thickness ≤ 0.50 mm minus four units.

Available dimensions

Thickness in mm	Width in mm
0.40 – 0.44	900 – 1,440
0.45 – 0.57	900 – 1,590
0.58 – 0.70	900 – 1,750
0.71 – 2.50	900 – 1,860
2.51 – 3.00	900 – 1,650
3.01 – 4.00	900 – 1,600

Chemical composition²⁾

(in percent by weight)

	min. in %	max. in %
C		0.18
Si		0.50
Mn		1.20
P		0.12
S		0.045
Ti		0.30

2) Heat analysis

