



DC03

Mild steels for cold forming

Material no.	1.0347
according to	DIN EN 10130 St 13 (FeP03)

Chemical composition¹⁾

(in percent by weight)

	min. in %	max. in %
C		0.1
P		0.035
S		0.035
Mn		0.45

1) Heat analysis

Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p0.2}$ in MPa
140 – 240

Tensile strength R_m in MPa
270 – 370

Total elongation A_{80} in %
≥ 34

Anisotropy r_{90}
≥ 1.3

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
0.35 ²⁾ – 0.39 ²⁾	1,100 – 1,300
0.40 – 0.49	1,000 – 1,500
0.50 – 0.59	900 – 1,685
0.60 – 3.00	900 – 1,850
3.01 ²⁾ – 3.20 ²⁾	1,000 – 1,500

2) On request

Surface finish

The steel grade is available in the surface finish A and B and 03 and 05.

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