



DC04

Mild steels for cold forming

Material no.	1.0338
according to	DIN EN 10130 St 14 (FeP04)

Chemical composition¹⁾

(in percent by weight)

	min. in %	max. in %
C		0.08
P		0.030
S		0.030
Mn		0.4

1) Heat analysis

Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p0.2}$ in MPa
≤ 210
Tensile strength R_m in MPa
270 – 350
Total elongation A_{80} in %
≥ 38
Hardening exponent
≥ 0.18
Anisotropy
≥ 1.6

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⁾ – 3.50 ²⁾	1,000 – 1,500

2) On request

Surface finish

The steel grade is available in the surface finishes A and B and O3 and O5.

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