



DC07

Mild steels for cold forming

Material no.	1.0898 ¹⁾
according to	DIN EN 10130

1) On request

Chemical composition²⁾

(in percent by weight)

	min. in %	max. in %
C		0.01
P		0.015
S		0.015
Mn		0.15
Ti		0.2

2) Heat analysis

Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p0.2}$ in MPa
100 – 150

Tensile strength R_m in MPa
250 – 310

Total elongation A_{80} in %
≥ 44

Hardening exponent
≥ 0.23

Anisotropy
≥ 2.5

Available dimensions

Thickness in mm	Width in mm
0.50 – 0.59	900 – 1,585
0.60 – 0.69	900 – 1,685
0.70 – 3.00	900 – 1,850

Surface finish

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

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

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