



DC01 (CR1)

Mild steels for cold forming

Material no.	1.0330
according to	DIN EN 10130 VDA 239-100

Chemical composition¹⁾

(according to DIN EN in percent by weight)

	min. in %	max. in %
C		0,12
P		0,045
S		0,045
Mn		0,6

(according to VDA in percent by weight)

	min. in %	max. in %
C		0.12
Si		0.50
Mn		0.60
P		0.055
S		0.035
Al	0.010	
Ti		0.30
Cu		0.20

1) Heat analysis

Mechanical properties (transverse)

Yield strength $R_{eL}/R_p 0.2$ in MPa	
DIN EN	140 – 280
VDA	140 – 300

Tensile strength R_m in MPa	
DIN EN	270 – 410
VDA	270 – 410

Total elongation A_{80} in %	
DIN EN	≥ 28
VDA	≥ 28

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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