

## DC04+ZE

### Mild steel grades for cold forming

Material no.	1.0338
according to	DIN EN 10152, Edition 08/03

#### Surface Finishes

This steel grade is available with surface finishes A and B and 03 and 05 respectively: The mild and the isotropic steel grades can only be supplied by agreement with surface finish B and 05 respectively in widths > 1.700 mm.

#### Chemical composition

(in percent by weight)

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

#### Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p0.2}$	$\leq 220$ MPa
Tensile strength $R_m$	270–350 MPa
Total elongation $A_{80}$	$\geq 37$ %
Hardening exponent $n_{90}$	$\geq 0.16$
Anisotropy $r_{90}$	$\geq 1.6$

#### Available dimensions

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

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