



HC260Y+ZE

Steels with high yield strength
for cold forming - ultra high strength IF

Material no.	1.0928
according to	DIN EN 10268, Edit 12/13

Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p0.2}$ in MPa
260 – 320

Tensile strength R_m in MPa
380 – 440

Total elongation A_{80} in %
≥ 31

Hardening exponent n_{90}
$\geq 0,17$

Anisotropy r_{90}
$\geq 1,4$ %

Available dimensions

Thickness in mm	Width in mm
0.60 – 0.79	900 – 1,500
0.80 – 2.00	900 – 1,600

Chemical composition

(in percent by weight)

	min.	max.
C		0.01%
Si		0.3%
Mn		1.6%
P		0.1%
S		0.025%
Al	0.01%	
Ti		0.12% ¹⁾
Nb		0.09% ¹⁾

1) These additional elements may be added single or in combination, if they are contained in the specification of the steel grade and the mass fraction being within the permissible limits. Vanadium can also be added. The total of the mass fractions of all four elements shall not exceed 0.22%.

Surface finish

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

Products according to this European Standard must meet the requirements for transverse test pieces as given in table 2.

It may be agreed that the requirements for longitudinal test pieces, as given in table 3, shall be valid instead of those for transverse test pieces.

Commitments regarding certain properties or a certain purpose of use require written agreements. Technical changes as well as typesetting and printing errors reserved.

