

## HC260Y+ZE

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

Material no.	<b>1.0928</b>
according to	<b>DIN EN 10268, Ausg. 12/13</b>

### Mechanical properties (transverse)

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

Tensile strength $R_m$
380–440 MPa

Total elongation $A_{80}$
≥ 31 %

Hardening exponent $n_{90}$
≥ 0,17

Anisotropy $r_{90}$
≥ 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% <sup>1)</sup>
Nb		0.09% <sup>1)</sup>

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.