HC260LA+ZE

Steel grades with high yield strength
for cold forming - micro alloyed

Material no.	**1.0480**
according to	**DIN EN 10268, Edition 12/13**

Chemical Composition

(in percent by weight)

	min. in %	max. in %
C		0.1
Si		0.5
Mn		1.0
P		0.030
S		0.025
Al	0.015	
Nb		0.09[1)]
Ti		0.15[1)]

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

Mechanical properties (transvese)

Yield strength $R_{eL}/R_{p\,0,2}$ in MPa
260 – 330

Tensile strength R_m in MPa
350 – 430

Total elongation A_{80} in %
≥ 26

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
0.50 – 0.59	900 – 1,700
0.60 – 3.00	900 – 1,850

Surface finish

Micro-alloyed steel grades with higher yield points can only be supplied with surface finsh A and 03 respectively.

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