

## HX260YD

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

Material no.	<b>1.0926</b>
according to	<b>DIN EN 10346/ DIN EN 10143</b>

### Mechanical properties (transverse)

Yield strength $R_e^{1)}$
260 – 320 MPa

Tensile strength $R_m$
380 – 440 MPa

Total elongation $A_{80}^{2)}$
≥ 30 %

Hardening exponent $n_{90}$
≥ 0,16

Anisotropy $r_{90}^{3)}$
≥ 1,4

### Available dimensions

Thickness in mm	Width in mm
0,50 – 0,68	900 – 1.590
0,69 – 0,86	900 – 1.750
0,87 – 2,00	900 – 1.850
2,01 – 3,00	900 – 1.600

### Surface finish

Thickness ranges

MB	<b>0,50 – 3,00</b>
MC <sup>1)</sup>	<b>0,50 – 2,00</b>

<sup>1)</sup> By agreement

### Chemical composition<sup>1)</sup>

(in percent by weight)

	min.	max.
C		0,010
Si		0,250
Mn		1,300
P		0,100
S		0,025
Ti		0,120
Al		0,100

<sup>1)</sup> Ti + Nb + V ≤ 0,22%. The addition of Boron is permitted.

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

- 1)  $R_{p0,2}/R_{eL}$
- 2) Reduced minimum values of elongation are valid for thicknesses ≤ 0,5 mm (minus 4 units) and for thicknesses > 0,5 mm and ≤ 0,7 mm (minus 2 units).
- 3) A thickness > 1,5 mm reduces the values of e  $r_{90}$  about 0,2.