



## HX260LAD (CR240LA\*)

Steels with high yield strength  
for cold forming – micro-alloyed

<b>Material no.</b>	<b>1.0346</b>
according to	DIN EN 10292 /
	DIN EN 10143
	* VDA 239-100

### Surface finish

Thickness ranges

MB	0.50 – 2.50
MC <sup>1)</sup>	0.50 – 2.00

1) By agreement

### Chemical composition

(in percent by weight)

	min.	max.
C		0.10
Si		0.50
Mn		1.0
P		0.030
S		0.025
Ti		0.15
Nb		0.09
Al	0.015	
Cu <sup>2)</sup>		0.20

2) Cu according to VDA 239-100

### Mechanical properties<sup>3)</sup>

Yield strength $R_e^{4)}$ in MPa	
transverse	260 – 330
longitudinal	240 – 320

Tensile strength $R_m$ in MPa	
transverse	350 – 430
longitudinal	320 – 430

Total elongation $A_{80}$ in %	
transverse	≥ 26
longitudinal	≥ 27

Hardening exponent $n$	
transverse	-
longitudinal	≥ 0,15

3) Test direction is according to DIN EN in transverse and according to VDA in longitudinal rolling direction.

4)  $R_{eL}/R_{p0.2}$

### Available dimensions

Thickness in mm	Width in mm
0.50 – 0.55	900 – 1,575
0.56 – 0.61	900 – 1,735
0.62 – 2.50	900 – 1,850

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