



HX300LAD (CR270LA*)

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

Material no.	1.0932
according to	DIN EN 10346/ DIN EN 10143
	* VDA 239-100

Surface finish

Thickness ranges

MB	0.50 – 3.00
MC ¹⁾	0.50 – 2.00

1) By agreement

Chemical composition

(in percent by weight)

	min. in %	max. in %
C		0.12
Si		0.50
Mn		1.4
P		0.030
S		0.025
Ti		0.15
Nb		0.09
Al	0.015	
Cu ²⁾		0.20

2) Cu according to VDA 239-100

Mechanical properties³⁾

Yield strength $R_e^{4)}$ in MPa	
transverse	300 – 380
longitudinal	270 – 350

Tensile strength R_m in MPa	
transverse	380 – 480
longitudinal	350 – 460

Total elongation A_{80} in %	
transverse	≥ 23
longitudinal	≥ 25

Hardening exponent n	
transverse	-
longitudinal	≥ 0,14

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 – 0.68	900 – 1,590
0.69 – 0.86	900 – 1,750
0.87 – 2.50	900 – 1,860
2.51 – 3.00	900 – 1,635
3.01 ⁵⁾ – 3.50 ⁵⁾	1,000 – 1,500

5) By prior agreement

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