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SPOLEČNOST JE REGISTROVANÁ POD SPISOVOU ZNAČKOU ODDÍL C, VLOŽKA 33610, ZE DNE 30. 6. 2009 U KRAJSKÉHO SOUDU V OSTRAVĚ.

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NC11LV (1.2379) stock sizes [mm]

sheets and plates from 1,5 mm to 200 mm thickness

round bars from  $\Phi$  8 mm to  $\Phi$  553 mm diameter

flat bars and squares from 30 mm to 500 mm width

# **Description:**

ledeburitic chromium cold work tool steel; with very small hardening deformations, very wear resistant, less resistant to impacts than NC11 / 1.2080, with good ductility, good cutting properties, much harder than NC10 and NC11/1.2080 due to content of molybdenum and vanadium

#### **Application:**

high performance cutting tools, broaches, milling cutters, reamers, blanking dies, dies, punches, rolling rolls, tools for cutting paper, marble and plastics, cold stamping and extruding tools

# Chemical composition [%]

С	Mn	Si	Р	S	Cr	Ni	Мо	W	V	Со	Cu
1,5-1,7	0,15-0,45	0,15-0,4	max 0,03	max 0,03	11-13	max 0,35	0,7-1,0	max 0,2	0,6-0,8	-	max 0,35

### **Equivalents**

PN	W. nr	EN	AISI	Russia (GOST)	Other
NC11LV	1.2379	X160CrMoV121	D2	H12MF	K110, Sverker21

# **Processes**

welding NO
forging YES
rolling YES
nitriding YES
hardening YES temp. 1020 - 1050 [°C] oil/air
tempering YES temp. 220 - 550 [°C]

# Hardness

after toughening 63 HRC after softening 255 HB

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