

WNLV (1.2714)	stock sizes [mm]
flat bars; squares; plates	to 1000 mm width and to 800 thickness; cut to required size(toughened to 30 HRC)

Description:

hot work tool steel, with good ductility, through hardenable with high resistance to tempering during hot forging

Application:

closed die forging presses and hammers, anvils, punches in drawing presses, forging dies, hammers, blades of shears working in high temperatures

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,5-0,6	0,5-0,8	0,15-0,4	max 0,03	max 0,03	1-1,3	1,4-1,8	1,8-2,10	max 0,3	0,05-0,12	max 0,3	-

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
WNLV	1.2714	35CrMo8	6F3	5ChGNM	19663/W500

Processes

welding	NO	
forging	YES	
rolling	YES	
nitriding	YES	
hardening	YES	temp. 830 - 870 [°C] oil / air
tempering	YES	temp. 300 - 600 [°C]

Hardness

after toughening	57 HRC
after softening	230 HB