

1.2767

stock sizes [mm]

flat bars; squares; blocks

to 1000 mm width and 600 mm thickness; cut to required size (toughened to 30 HRC)

Description:

cold work tool steel; with high impact resistance, good plasticity, good hardenability and bright polishability

Application:

forging dies, punches, stamping dies, pressing rollers, drifts, coin stamping tools, large blades for cold cutting thick semi-finished steel products, cold forging and extruding dies, mould inserts

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,45	0,4	0,25	max 0,04	max 0,03	1,4	4	0,3	0,5	0,5	-	-

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
~NPW	1.2767	X45NiCrMo4	6F7	-	K600

Processes

welding	NO	
forging	YES	
rolling	YES	
nitriding	YES	
hardening	YES	temp. 500 - 650 [°C]
tempering	YES	temp. 220 - 350 [°C]

Hardness

after toughening	56 HRC
after softening	260 HB