

W. nr 1.2063	stock sizes [mm]
sheets	from 2 to 6 mm thickness
round bars	from Φ 6 mm to Φ 453 mm diameter
flat bars and squares	from 16 mm to 400 mm width

Description:

oil hardening cold work tool steel, keeping dimensions after hardening, wear resistant

Application:

machining and cutting tools, taps, threading dies, shaped drills, cutting tips, gauges, small dies, shaped rolls for rolling metal sheets

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
1,3-1,45	0,4-0,7	0,15-0,4	max 0,03	max 0,03	1,3-1,65	max 0,35	max 0,2	max 0,2	0,1-0,25	-	max 0,35

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
NC6	1.2063	-	-	-	145Cr6

Processes

welding	NO	
forging	YES	
rolling	YES	
nitriding	NO	
hardening	YES	temp. 810 - 830 [°C] oil
tempering	YES	temp. 150 - 260 [°C]

Hardness

after toughening	60 HRC
after softening	255 HB