

((W.Nr. 1.2201))	stock sizes [mm]
round bars	from Φ 8 mm to Φ 523 mm diameter
flat bars and squares	from 12 mm to 500 mm width

Description:

oil hardening cold work tool steel, with high wear resistance, small hardening deformations, less resistant to strong impacts

Application:

broaching rings, knives, punches, gauges, forging rolls, large blanking dies, discs for production of bent sections

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
1,5-1,8	0,15-0,45	0,15-0,4	max 0,03	max 0,03	11-13	max 0,35	max 0,2	max 0,2	max 0,15	-	max 0,35

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
NC10		-	-	-	1.2201

Processes

welding	NO	
forging	YES	
rolling	YES	
nitriding	YES	
hardening	YES	temp. 980 - 1000 [°C] oil
tempering	YES	temp. 220 - 520 [°C]

Hardness

after toughening	60 HRC
after softening	255 HB