

1.2316**stock sizes [mm]**

plates and blocks cut to size with band saws to 1000 mm width and to 300 thickness; cut to required size (toughened to 30 HRC)

Description:

Chromium martensitic steel, with good corrosion resistance and good polishability

Application:

For corrosive plastic moulds

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,36	-	min 1,0	max 0,04	max 0,03	18	-	1,0	-	0,1	-	-

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
-	1.2316	X36CrMo17	~420	-	-

Processes

welding	NO	
forging	YES	
rolling	YES	
nitriding	YES	
hardening	YES	temp. 1020 - 1050 [°C]
tempering	YES	temp. 180 - 200 [°C] or 600 - 700 [°C]

Hardness

after toughening	49 HRC (delivered as toughened to 32 HRC)
after softening	230 HB