

SW7M (1.3343)	stock sizes [mm]
forged and peeled round bars	from 0,70 mm to 32,5 mm width (tolerance in -0/+0,15 to +0,90) - import on order
rolled or forged flat bars	from Φ 8 mm to Φ 300 mm diameter
cross rolled sheets	from 30 mm to 200 mm width

Description:

high speed tool steel with very good ductility, impact resistance and wear resistance

Application:

standard grade of high speed tool steel for production of bits, reamers, milling cutters and other machining tools

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,82-0,92	max 0,4	max 0,5	max 0,03	max 0,03	3,5-4,5	max 0,4	4,5-5,5	6-7	1,7-2,1	max 0,5	max 0,3

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
SW7M	1.3343	HS6-5-2	M2	R6M5	S600

Processes

welding	NO	
nitriding	YES	
hardening	YES	temp. 1190 - 1230 [°C]
tempering	YES	temp. 550 - 570 [°C]

Hardness

after toughening	65 HRC
after softening	270 HB