

M2 High Speed Tool Steel


M2 Tool steel is a universal high speed tool steel ([cold work tool steel](#)) The steel has fine and uniform carbide, high toughness, and good thermoplastic. Compared with W18Cr4V, W6Mo5Cr4V2 high speed steels, it have much better toughness, wear resistance and thermoplastic, and its hardness, red hardness and hot hardness are more or less the same with W18Cr4V. Therefore, in addition to make all sorts of general tool, it can also produce large and thermoplastic forming cutters. For its high toughness and good abrasion resistance, it can make wear resistance parts under high load, such as cold extrusion die, and at the same time, you should reduce the quenching temperature to meet the requirements of strength and toughness. Please make a note of its thermal processing and heat treatment because W6Mo5Cr4V2 is apt to oxidation and decarbonization.

- 1.High toughness, high abrasion resistance, excellent thermoplastic.
- 2.Good hardness and red hardness, high strength.

STEEL GRADE/TYPE				
GB	JIS	ASTM	DIN	Other Comp.
W6Mo5Cr4V2	SKH51	M2	S6-5-2 1.3343	Bohler S600 ERASTEEL EM2

**ZT International — The most professional exporter on special steel**

Tel:+86-571-28903510

E-mail:marketing@gmail.com

Fax:+86-571-28903510

baronho@yahoo.com

Skype: baron.dayuan

Web:http://www.zt-corp.com

ADD: A401,Oceanwide International Center,2# Xiangzhang Road, Hangzhou, Zhejiang, China 310018.

Chemical composition %										
C	W	Mo	Cr	V	Co	Ni	Mn	Si	P≤	S≤
0.80- 0.90	5.50- 6.75	4.5- 5.5	3.8- 4.4	1.75- 2.20	—	—	0.15- 0.40	0.20- 0.45	0.030	0.030

Application:

Tooling used for machining, cutting, shaping and forming metals, wood & plastic. Forms of HSS include end mills, cutters and various types of tooling, [pump vane](#).

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