

Product details										
<b>1.Steel grade</b> T1 W18Cr4V1 SKH2 1.3355										
<b>2.Chemical composition:</b>										
Execution Standard	ZEICIN Grade	GB	AISI	JIS	DIN					
GB/T9943-2008	T1	W18Cr4V1	T1	SKH2	1.3355					
<b>3. Main chemical composition%</b>										
C	W	Mo	Cr	V	Co	Al	Mn	Si	S	P
0.70-0.80	17.50-19.00	≤0.3	3.80-4.40	1.00-1.40	—	—	0.15-0.40	0.15-0.40	≤0.03	≤0.03
<b>4.Size</b>										
<b>1) Round bar/mm</b>										
Type			Specification (mm)				Surface condition			
Cold-drawn round steel			φ 2-10				Black			
Hot-rolled round steel			φ 11-75				Turned			
Precision forging round			φ 80-120				Turned			
<b>2) Specification for Hot-rolled flat bar in common use/mm (black surface)</b>										
T/W	20	25	30	40	50	60	70	80	90	100
3	√	√	√	√						
4~5	√	√	√	√	√	√				
6~13	√	√	√	√	√	√	√	√		
14	√	√	√	√	√	√	√	√	√	
15~18		√	√	√	√	√	√	√	√	
19			√	√	√	√	√	√	√	
20			√	√	√	√	√	√	√	√
<b>5.Tolerance:</b> According to order										
<b>6.Technology process:</b> EAF+LF+VD+RS ESR, Unique technology of rapid solidification electroslag smelting, which can great improve the performance of the internal organization of high speed steel, ledeburite meshes smaller and thinner, can make material high toughness,high wear resistance.										
<b>7.Property:</b> W18Cr4V is of high-speed tool steel, tungsten has high hardness and red hardness and high temperature strength and hardness at 500 ℃ and 600 ℃ respectively remain in HRC57-58 and HRC52 -53, in addition, also has good high temperature strength and wear resistance, the heat treatment temperature range wide, quenching is not easy to overheating, easy grinding, hot working and heat treatment process is not easy to oxidation decarburization. Good cutting performance for general processed materials.										
<b>8.Application:</b> Suitable for cutting tools such as paper knife,twist anchor, broach, tapping, milling, cutting, reamer and others. In terms of performance, the W18Cr4V is an omni-directional steel that can be used for cutting when hot and hard requirements are not the most important. W18Cr4V is also suitable for cold service; Examples are tools used for punching, forming, stamping, and other purposes.										

W18Cr4v, 常用的钨系高速钢的一种, 它属于莱氏体钢, 是高速钢应用最长久的一种。和其它高速钢一样, 常被称为“白钢”、“锋钢”或“风钢”(空冷即可淬火)。

W18Cr4v, one of the commonly used tungsten high-speed steels, belongs to laitic steel, which is the longest used type of high-speed steel. Like other high speed steels, they are often referred to as "white steel", "front steel" or "wind steel" (which can be quenched by air cooling).