

M2 HIGH SPEED STEEL

Wolfram (Tungsten) Molybdenum, Vanadium based, well known standard high speed steel with high wear resistance. It shows a high toughness and high hardness. Applications: Cutting tools, twist drills, milling cutters, stamping and cutting tools, broaches, forming tools, woodworking tools, cold extrusion press tools

Colour Code	Stocked Sizes						
	Condition of Delivery				Soft Annealed to max 262HB		
Related Specifications							
Australia							
Germany	DIN 1.334	3 (S 6-5-2)					
Great Britain							
International							
Japan							
USA	AISI M2						
Chemical Composi	tion						
Carbon			0.90				
Chromium			4.00				
Molybdenum			5.00				
Vanadium			1.90				
Tungsten			6.40				
Physical Propertie	S						
Thermal Expansion Co-efficient							
Thermal Conductivity							
Heat Treatment							
Pre Heating Steps	Pre Heating Steps Hardening		mp.	Quenching Mediu	ım	Tempering Temp.	Hardness after tempering
a)1.step at 850°Cb)1.step at 1180 - 3 850°C2.step at 1050°C		1180 - 1230°	С	a) Hot Bath 550° Oilc) Aird) Vacuu	C+airb) m	530°C - 570°C at least 3 times	64-66 HRC
Machining							
Excellent							
Corrosion Resistance							
Poor							
Soldering							
Fair							
Welding							
Gas/Arc poor. Not recommended							

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