

M2 High-Speed Steel



M2 high-speed steel is a tungsten-molybdenum tool steel. M2 is characterized by well-balanced toughness, wear resistance and red hardness properties.

Related Specifications: DIN 1.3343

Applications

The well balance properties of M2 means it is used in a wide range of cutting tools where demands for hot hardness are moderate, such as twist drills, reamers, broaching tools, milling tools, taps and metal saws.

M2 is also suitable for cold work applications such as tools for punching, forming and pressing.

If you are looking for superior red-hardness then consider [M42 high speed steel](#).

M2 steel properties

Typical chemical composition of AISI M2 High Speed Steel

C	Mo	Cr	V	W
0.85%	5.00%	4.100%	1.80%	6.40%

Tempering

Heat the M2 to the required tempering temperature, hold at temperature for at least two hours or one hour per 25 mm of thickness. Double tempering is recommended.

Tempering M2 high speed Steel

Tempering °C	500	550	600	650
HRC	64	65	64	61

M2 high-speed steel stock

Steel Express stock and supply M2 high-speed steel in round, flat and square bar. We can cut to your requirements in house. M2 diameters from 10 mm up to 250 mm. Flat and square stock .