

High Speed Steel BM1.3344

1.3344 is a high speed steel which has tungsten and molybdenum in its content which provides needed wear resistance to use it on the cutting applications. With raised V and C content it has optimum durability.

Chemical Composition

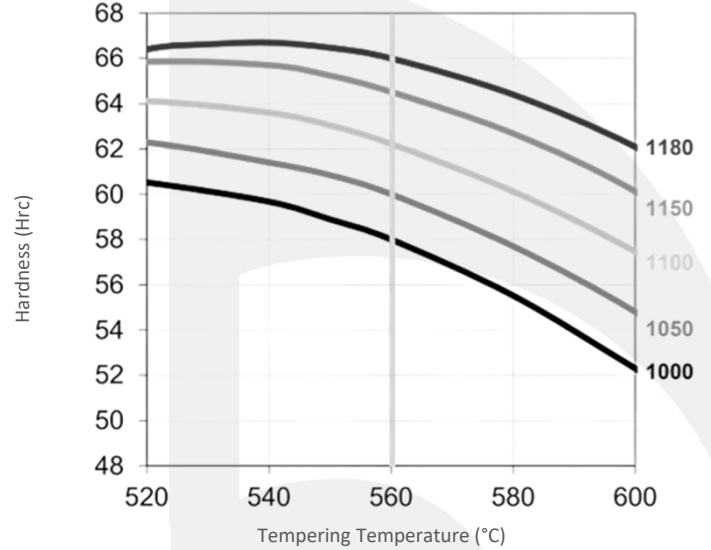
1.15 - 1.25 % C	≤ 0.45 % Si	≤ 0.40 % Mn	5.90-6.70 % W
3.80-4.50 % Cr	4.70-5.20 % Mo	2.70-3.20 % V	

Applications

- High performance mills,
- Reamers, broaches.
- Piercing dies in the manufacture of nuts.

Heat Treatment Properties

Normalization °C	1100-900
Soft Annealing °C	820-860
Delivery Hardness HB 30	max. 280



Hardness		Hardening Range
Austenitizing °C	Cooling	HRC
1190-1300	Air, Oil, Warm Bath	64-66

Tempering °C	200	300	400	500	525	550	575	600	650	700
HRC	63	61	61.5	63	65	65.5	65	63	58	47

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