

# High Speed Steel BM1.3243

Because the 1.3243 contains Cobalt, it is a high speed steel with high hardness resistance at high temperatures.

## Chemical Composition

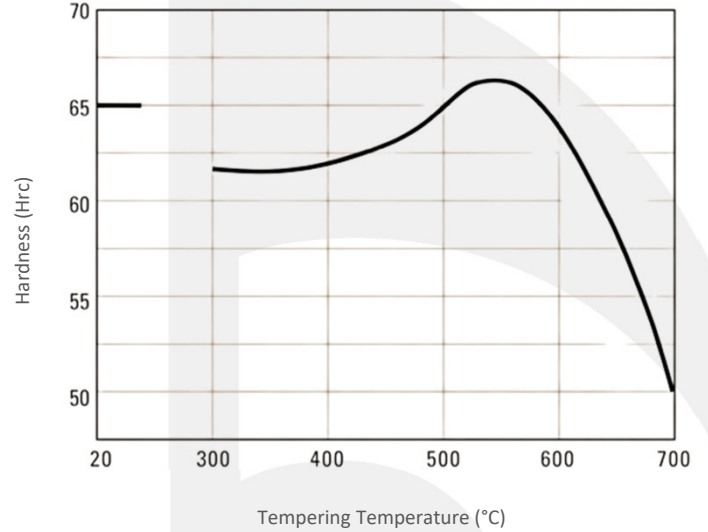
0.87-0.95 % C	3.80-4.50 % Cr	4.70-5.20 % Mo
1.70-2.10 % V	5.90-6.70 % W	4.50-5.00 % Co

## Applications

- Highly stressed drills
- Milling cutters, profile cutting tools,
- Cutting drills and cold forming tools.

## Heat Treatment Properties

Normalization °C	1120-900
Soft Annealing °C	820-850
Delivery Hardness HB 30	max. 300



Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
1200-1240	Vacuum, Oil, Fluid bed	65

Tempering °C	200	300	400	500	525	550	575	600	650	700
HRC	63	61	62	64	64.5	65	64	63	55	46

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