

Cold Work Tool Steel BM1.2550

1.2550 is a highly hardenable shock resisting tool steel. It has very good toughness and impact resistance. It is a tungsten-alloyed tool steel.

Chemical Composition

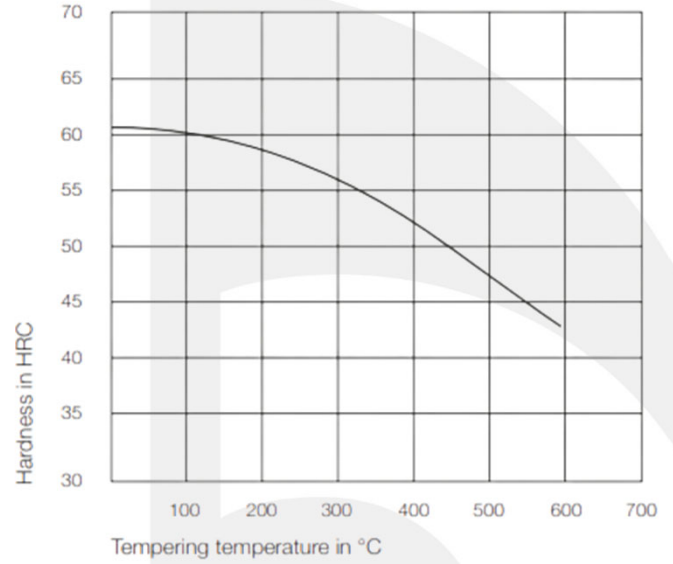
0.55 - 0.65 % C	0.70 – 1.00 % Si	0.15 - 0.45 % Mn
0.90 - 1.20 % Cr	1.70 - 2.20 % W	0.1 - 0.2 % V

Applications

- Woodworking tools,
- Blanking dies for cutting sheet metals up to 12 mm thickness,
- Trimming and splitting dies,
- Cold piercing punches,
- Performing punches,
- Shear blades, chipping knives, coining tools, cold shear blades, ejectors.

Heat Treatment Properties

Normalization °C	1050-900
Soft Annealing °C	710-750
Delivery Hardness HB 30	max. 225



Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
860-900	Oil, Hot Bath	60

Tempering °C	100	200	300	400	500	600
HRC	60	58	56	52	48	43

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