

Cold Work Tool Steel BM1.2842

1.2842 is a cold work tool steel which has dimensional stability. Its dimensional stability results in excellent resistance to cracking. It has high machinability medium toughness and wear resistance.

Chemical Composition

0.85 - 0.95 % C	0.1 - 0.4 % Si	1.8 - 2.2 % Mn
0.2 - 0.5 % Cr	max 0.03 % P	0.05 - 0.2 % V

Applications

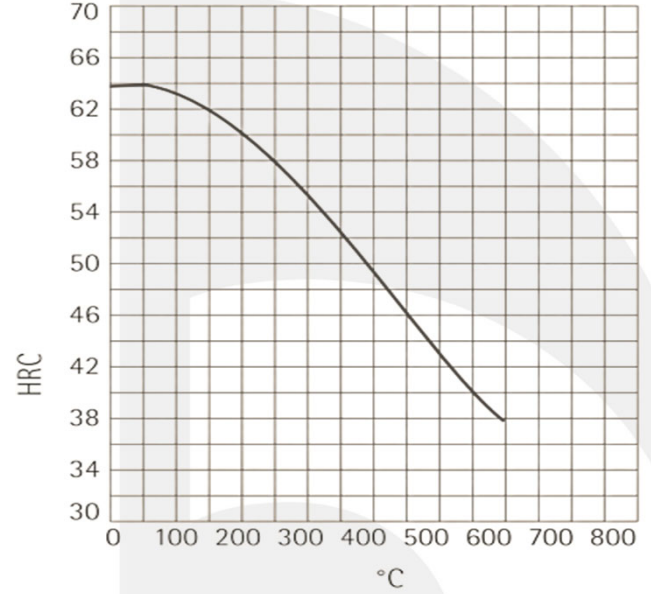
1.2842 is used in measuring tools, machine knives for the wood, paper and metal industry, cold cutting shear blades, thread cutting tools.

Heat Treatment Properties

Normalization °C	1050-850
Soft Annealing °C	690-720
Delivery Hardness HB 30	max. 229

Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
1020-1050	Oil, Warm bath	63-65

Tempering °C	100	200	300	400	500	600
HRC	63	60	56	50	42	38



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