

Cold Work Tool Steel BM1.2363

1.2363 is a Cr-Mo-V cold-working steel with 1% Carbon with high through-hardening, dimension stability, extra high wear resistance and good toughness.

Chemical Composition

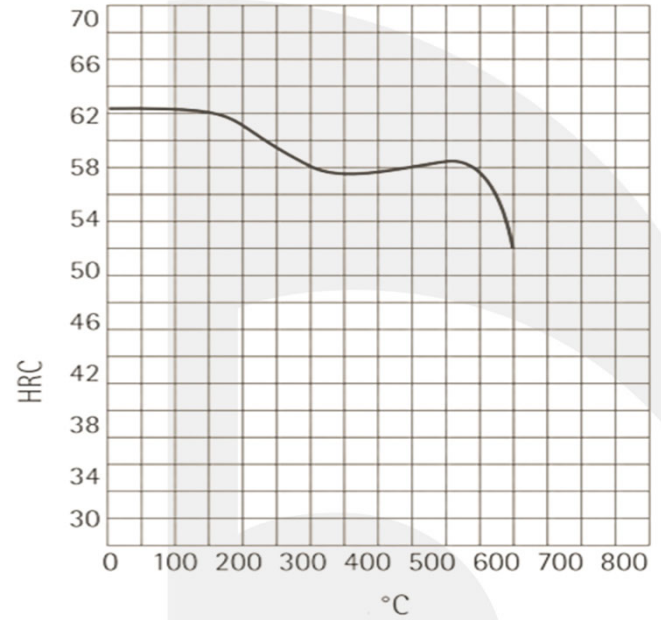
0.95-1.05 % C	0.10 – 0.40 % Si	0.40-0.80 % Mn
4.75-5.50 % Cr	0.90-1.20 % Mo	0.15-0.35 % V

Applications

Standart applications are cutting and stamping tools, shear blades, cold rolling mandrels, extrusion tools, cold working application where high wear resistance is needed.

Heat Treatment Properties

Normalization °C	1150-900
Soft Annealing °C	820 – 850
Delivery Hardness HB 30	max. 240



Hardness		Hardening Range	
Austenitizing °C	Cooling	HRC	N/mm ²
1000-1050	Vacuum, Oil, Fluid bed	53	1804

Tempering °C	400	450	500	550	600	650	700
HRC	55	55	56	55	50	40	32
N/mm ²	1902	1902	1952	1902	1677	1213	1049

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